

**Datasheet for 009-001-U70-0020****rHuman Chemerin Protein****Overview**

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| <b>Description:</b>  | Human Chemerin Recombinant Protein - 009-001-U70-0020 |
| <b>Item No.:</b>     | 009-001-U70-0020                                      |
| <b>Size:</b>         | 25 µg                                                 |
| <b>Applications:</b> | SDS-PAGE                                              |
| <b>Origin:</b>       | Human                                                 |
| <b>Expressed in:</b> | E. coli                                               |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Chemerin is a chemoattractant expressed in white adipose, liver and lung tissues. Chemerin is a ligand for the G-protein coupled receptor known as ChemR23 (or chemokine-like receptor-1), which is expressed mainly on dendritic cells, macrophages and some adipocytes. Recombinant human Chemerin is a non-glycosylated protein, containing 138 amino acids, with a total molecular weight of 16 kDa. |
| <b>Synonyms:</b>          | Tazarotene-induced gene 2 (TIG2), RARRES2                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species of Origin:</b> | Human                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Expressed in:</b>      | E. coli                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Type:</b>              | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Low Endotoxin:</b>     | Yes                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                            |                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | RARRES2                                                                                                                                                       |
| <b>Purity/Specificity:</b> | Chemerin purity was determined to be greater than 98% as determined by analysis by HPLC, UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-PAGE. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q99969</a></li></ul>                                                                          |

## Application Details

|                             |                                                                                                                                                                                                                                                             |
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| <b>Tested Applications:</b> | SDS-PAGE                                                                                                                                                                                                                                                    |
| <b>Application Note:</b>    | Chemerin Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Chemerin in immunological assays.                                                                                                   |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                             |
| <b>Other:</b>               | Endotoxin Level: Measured by kinetic LAL analysis and is typically $\leq 1$ EU/ $\mu$ g protein. Biologic Activity: The activity is determined by its ability to chemoattract human Chem23R transfected BaF3 mouse pro-B cells and is typically 4-20 ng/mL. |

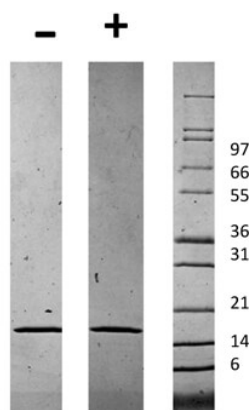
## Formulation

|                               |                                              |
|-------------------------------|----------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                  |
| <b>Buffer:</b>                | 0.1% Trifluoroacetic acid                    |
| <b>Preservative:</b>          | None                                         |
| <b>Stabilizer:</b>            | None                                         |
| <b>Reconstitution Volume:</b> | 25 $\mu$ l (25-250 $\mu$ l)                  |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent) |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Images



#### SDS-PAGE

SDS-PAGE of Human Chemerin Recombinant Protein. Lane 1: 1  $\mu$ g Human Chemerin Recombinant Protein in non-reducing conditions (-). Lane 2: 1  $\mu$ g Human Chemerin Recombinant Protein in reducing conditions (+). Lane 3: Molecular weight marker. Human Chemerin has a predicted MW of 15.6 kDa.

## Disclaimer

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