

**Datasheet for 012-001-U76-1000****rRat FGF-9 Protein****Overview**

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| <b>Description:</b>  | Rat Fibroblast Growth Factor-9 Recombinant Protein - 012-001-U76-1000 |
| <b>Item No.:</b>     | 012-001-U76-1000                                                      |
| <b>Size:</b>         | 1 mg                                                                  |
| <b>Origin:</b>       | Rat                                                                   |
| <b>Expressed in:</b> | E. coli                                                               |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Background:</b>        | Fibroblast Growth Factor-9 (FGF-9) is a steroid-regulated mitogen and survival factor for nerve and mesenchymal cells. FGF-9 is an autocrine/paracrine growth factor considered to be important for the growth and survival of motoneurons and prostate tissue. Recombinant rat FGF-9 is a non-glycosylated protein, containing 207 amino acids, with a molecular weight of 23.3 kDa. |
| <b>Synonyms:</b>          | Glial activating factor, GAF, Heparin-binding growth factor-9, HBGF-9                                                                                                                                                                                                                                                                                                                 |
| <b>Species of Origin:</b> | Rat                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Expressed in:</b>      | E. coli                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Type:</b>              | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Low Endotoxin:</b>     | Yes                                                                                                                                                                                                                                                                                                                                                                                   |

**Target Details**

|                            |                                                                                                                                                                          |
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| <b>Gene Name:</b>          | Fgf9                                                                                                                                                                     |
| <b>Purity/Specificity:</b> | Fibroblast Growth Factor-9 purity was determined to be greater than 95% as determined by analysis by 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 - P13109</a></li></ul>                                                                                       |

**Application Details**

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| <b>Application Note:</b> | Fibroblast Growth Factor 9 Recombinant Protein is suitable as a control for polyclonal or |
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monoclonal anti-Fibroblast Growth Factor 9 in immunological assays. Lyophilized in 10 mM sodium phosphate, 75 mM ammonium sulfate, pH 7.5.

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| <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 the dose-dependent proliferation of 3T3 cells and is typically less than 1 ng/mL. |

## Formulation

|                               |                                              |
|-------------------------------|----------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                  |
| <b>Buffer:</b>                | See application note.                        |
| <b>Preservative:</b>          | None                                         |
| <b>Stabilizer:</b>            | None                                         |
| <b>Reconstitution Volume:</b> | 1.0 mL                                       |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent) |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Disclaimer

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