

**Datasheet for 010-001-B31****IL-17F Mouse Recombinant Protein****Overview**

<b>Description:</b>	IL-17F Mouse Recombinant Protein - 010-001-B31
<b>Item No.:</b>	010-001-B31
<b>Size:</b>	25 µg
<b>Applications:</b>	SDS-PAGE
<b>Origin:</b>	Mouse
<b>Expressed in:</b>	E. coli

**Product Details**

<b>Background:</b>	Recombinant Mouse IL-17F produced in E.coli is a homodimeric, non-glycosylated polypeptide chain, the monomer containing a total of 133 amino acids and having a molecular mass of 14.9 kDa. Homodimeric interleukin-17F is a member of the IL-17 family of six homodimeric proteins (IL-17A-17F). Activated CD4+ T cells have also been shown to produce Mouse IL-17F. Activity studies reveal IL-17A to be the most potent, followed by IL-17A/F and IL-17F 100 fold lower than IL-17A. Recombinant Mouse IL-17F produced in E.Coli is a non-glycosylated polypeptide comprised of two monomeric subunit each of mL-17F. The dimer consists of 266 amino acids, with an approximate molecular weight of 29.8 kDa.
<b>Synonyms:</b>	Interleukin-17F cytokine, IL-17F, Interleukin-24, IL-24, Cytokine ML-1
<b>Species of Origin:</b>	Mouse
<b>Expressed in:</b>	E. coli
<b>Type:</b>	Recombinant Protein
<b>Low Endotoxin:</b>	Yes

**Target Details**

<b>Gene Name:</b>	Il17f
<b>Purity/Specificity:</b>	Purity was determined to be greater than 97% as determined by analysis by RP-HPLC and by reducing and non-reducing SDS-PAGE.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">NCBI</a></li></ul>

- [UniProtKB - Q7TNI7](#)

## Application Details

<b>Tested Applications:</b>	SDS-PAGE
<b>Application Note:</b>	IL-17F protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-IL-17F 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>	Biological Activity: IL-17F is fully bioactive when compared to standard. The ED50 as determined by the dose-dependant induction of IL-6 in NHDF is 1.94 ng/ml.  Endotoxin Level: Measured by LAL is <0.01ng/μg or <0.1EU/μg.

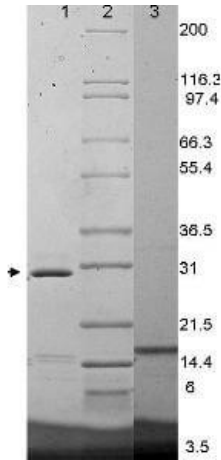
## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	0.1 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.1% Trifluoroacetic acid
<b>Preservative:</b>	None
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	25μl (25-250μl)
<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

Bands corresponding to recombinant IL17F Mouse Cytokine show where 1 $\mu$ g was loaded in lane 1 (unreduced, arrowhead) and lane 3 (reduced). Molecular weight estimation was made by comparison to prestained MW markers, lane 2.

## Disclaimer

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