

# Recombinant Mouse TNF beta protein(His Tag)

Catalog Number:PKSM041484



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

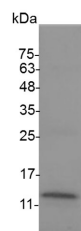
## Description

<b>Synonyms</b>	IFN-λ3;IFL;IFL-1;INF-alpha;INF-1;INF-lambda
<b>Species</b>	Mouse
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Leu 34-Leu 202
<b>Accession</b>	P09225
<b>Calculated Molecular Weight</b>	19.4 kDa
<b>Observed molecular weight</b>	11-17 kDa
<b>Tag</b>	N-His
<b>Bioactivity</b>	Measure by its ability to induce cytotoxicity in L929 cells in the presence of vactinomycin D. The ED <sub>50</sub> for this effect is < 30 ng/mL.

## Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS,pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 98 % as determined by reducing SDS-PAGE.

## Background

Tumor Necrosis Factor  $\beta$  (TNF- $\beta$ ) is a secreted protein belonging to the tumor necrosis factor family. TNF- $\beta$  binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFR and TNFRSF14/HVEM in homotrimeric form, binds to TNFRSF3/LTBR in heterotrimeric form with LTB. TNF- $\beta$  forms heterotrimers with lymphotoxin-beta, which anchors TNF- $\beta$  to the cell surface. TNF- $\beta$  mediates the inflammatory, immunostimulatory, and antiviral response, involves in the formation of second lymphoid organs during development, has a role in apoptosis. TNF- $\beta$  is produced by lymphocytes and cytotoxic for a variety of tumor cells in vitro and in vivo.

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