

Recombinant Mouse TNF beta protein(His Tag)

Catalog No. PKSM041484

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

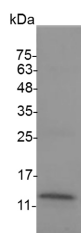
Description

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

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Tumor Necrosis Factor β (TNF- β) is a secreted protein belonging to the tumor necrosis factor family. TNF- β binds to

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