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Recombinant Human TNF-beta/LT-alpha Protein

Catalog No.: RP00506 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4049	P01374

Tags
No tag

Synonyms
LTA;LT;TNFB;TNFSF1;TNLG1E;LT-alpha

Product Information

Source	Purification
E. coli	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Tumor Necrosis Factor β (TNF- β) is a secreted protein belonging to the tumor necrosis factor family. TNF- βbinds to TNFRSF1A/TNFR1, TNFRSF1B/TNFBR and TNFRSF14/HVEM in homotrimeric form, binds toTNFRSF3/LTBR in heterotrimeric form with LTB. TNF- β forms heterotrimers with lymphotoxin-beta, whichanchors TNF- β to the cell surface. TNF- β mediates the inflammatory, immunostimulatory, and antiviralresponse, 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.

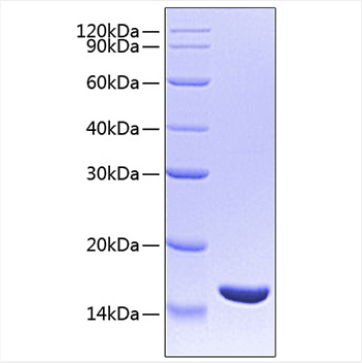
Basic Information

Description
Recombinant Human TNF beta/TNFb/TNFSF1B Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Leu35-Leu205) of human TNF beta/TNFb/TNFSF1B (Accession #P01374) fused with an initial Met at the N-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human TNF-beta/LT-alpha Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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