

Recombinant Human TNF beta/TNFB Protein

Catalog Number: PKSH033166

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

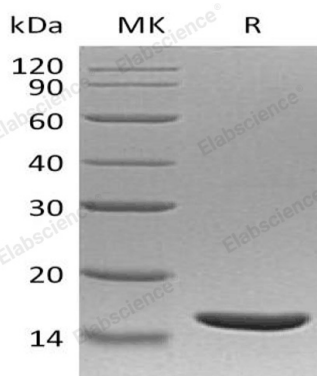
Description

Species	Human
Source	E.coli-derived Human TNF beta/TNFB protein Leu35-Leu205, with an N-terminal His
Calculated MW	18.7 kDa
Observed MW	21 kDa
Accession	P01374
Bio-activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED ₅₀ for this effect is <3 pg/mL. The specific activity of recombinant human TNF beta is > 3.3x 10 ⁸ IU/mg.

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 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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 TNFRSF1A/TNFR1, TNFRSF1B/TNFR2 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.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017