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32-1793: TNF b His Recombinant Protein

Alternative Name : Lymphotoxin-alpha,LT-alpha,TNF-beta,Tumor necrosis factor ligand superfamily member 1,LTA,LT,TNFB,TNFSF1.

Description

Source : Escherichia Coli. TNF-b Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 192 amino acids (35-205 a.a.) and having a molecular mass of 20.9kDa. TNF-b is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TNF-b is a potent multifunctional cytokine produced mainly by activated T and B lymphocytes. The protein has been shown to have a specific potent cytotoxic activity on tumor cells and a variety of other target cells as well as being a mediator of inflammation and immune function.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	TNF-b protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MLPGVGLTPS AAQTARQHPK MHLAHSTLKP AAHLIGDPSK QNSLLWRANT DRAFLQDGFS LSNNSLLVPT SGIYFVYSQV VFSGKAYSPK ATSSPLYLAH EVQLFSSQYP FHVPLLSSQK MVYPGLQEPW LHSMYHGAAF QLTQGDQLST HTDGIPHLVL SPSTVFFGAF AL.

Application Note

Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is <0.3 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.