

TNF-beta, Human Recombinant

Catalog No.	CRT103A CRT103B CRT103C	Quantity:	5 µg 20 µg 1.0 mg
Description:	Recombinant Human TNF-beta is a single, non-glycosylated, polypeptide chain containing 172 amino acids		
Source:	<i>E. coli</i>		
Molecular Weight:	18.645 kDa		
Formulation:	Sterile filtered and then lyophilized with no additives.		
Purity:	>95.0% as determined by RP-HPLC and SDS-PAGE analyses.		
Endotoxin Level:	Less than 0.1 ng/µg (1 EU/µg) of recombinant Human TNF-beta.		
Biological Activity:	The ED ₅₀ as determined by the cytolysis of mouse L929 cells in the presence of Actinomycin D is < 0.05 ng/ml, corresponding to a Specific Activity of 2 x 10 ⁷ IU/mg.		
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Amino Acid Sequence:	MLPGVGLTPS AAQTARQHPK MHLAHSTLKP AAHLIGDPSK QNSLLWRANT DRAFLQDGFS LSNNLLVPT SGIYFVYSQV VFSGKAYSPK ATSSPLYLAH EVQLFSSQYP FHVPLLSSQK MVYPGLQEPW LHSMYHGAAF QLTQGDQLST HTDGIPHLVL SPSTVFFGAF AL		
Reconstitution:	Centrifuge vial prior to opening. First add sterile water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

