

# Human TNF a Recombinant Protein



RPPB0991

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## Product Information    Protein Information

**Product SKU:**

RPPB0991

**Accession:**

P01375

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

TNF a produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 163 amino acids (77-233a.a.) and having a molecular mass of 18.1kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). TNF a is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Tumor Necrosis Factor, TNFA, Tumor Necrosis Factor Ligand Superfamily Member 2, Cachectin, TNF-Alpha, TNFSF2, TNF-A, Tumor Necrosis Factor (TNF Superfamily, Member 2), Tumor Necrosis Factor-Alpha, TNF, Macrophage-Derived, TNF, Monocyte-Derived, TNF Superfamily, APC1 Protein, Member 2, DIF, Tumor necrosis factor.

**Formulation:**

TNF a protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

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). Please avoid freeze thaw cycles.

**Amino Acid Sequence:**

VRSSRTPSD KPAHVVANP QAEGQLQWLN RRANALLANG VELRDNQLVW PSEGLYLIYS QVLFKQGQCP  
STHVLLTHTI SRIAVSYQTK VNLLSAIKSP CQRETPEGAE AKPWYEPIYL GGVFQLEKGD RLSAEINRPD  
YLDFAESGQV YFGIALLHHH HHH.

**Biological Activity:**

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  $\leq 0.2$  ng/ml.