

Human TNF alpha human Recombinant Protein



RPPB0988

Product Information Protein Information

Product SKU:

RPPB0988

Accession:

P01375

Host:

Escherichia Coli.

Protein description:

Tumor Necrosis Factor- α Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 158 amino acids (157 a.a. of the mature human TNF- α and an N-terminal methionine) and having a molecular mass of 17.5kDa. The TNF- α is purified by standard chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

TNF- α , Tumor necrosis factor ligand superfamily member 2, TNF- α , Cachectin, DIF, TNFA, TNFSF2.

Formulation:

TNF- α Human was lyophilized from a concentrated 1mg/ml solution containing 20mM PB, pH-7.2, and 100mM NaCl.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Tumor Necrosis Factor- α in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Tumor Necrosis Factor- α although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNF- α should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MVRSSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVLRDNQLV VPSEGLYLIY SQVLFKGGQC PSTHVLLTHT ISRIAVSYQT KVNLLSAIKS PCQRETPEGA E AKPWYEPIY LGGVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIHAL.

Biological Activity:

The Specific Activity is $>5.0 \times 10^7$ IU/mg as determined by the cytolysis of murine L929 cells in the presence of Actinomycin D.