

Tumor Necrosis Factor-alpha Rat Recombinant, His Tag

Item Number	rAP-0795
Synonyms	Tumor Necrosis Factor-alpha, TNF a His, Cachectin, TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, N-terminal fragment, NTF, Intracellular domain 1, Intracellular domain 2, ICD2, C-domain 1, C-domain 2, Tumor necrosis factor, soluble
Description	TNF a Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 181 amino acids (80-235a.a.) and having a molecular mass of 19.9kDa. TNF a is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P16599
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSFMLRSSS QNSSDKPVAH VVANHQAEQ LEWLSQRANA LLANGMDLKD NQLVVPADGL YLIYSQVLFK GQGCPDYVLL THTVSRFAIS YQEKVSLLSA IKSPCPKDTP EGAELKPWYE PMYLGGVFQL EKGDLLSAEV NLPKYLDITE SGQVYFGVIA L.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	TNF a protein solution (1mg/ml) containing Phosphate Buffer Saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 90.0% as determined by analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**