

Tumor Necrosis Factor-Alpha Human Recombinant, His Tag

Item Number	rAP-0768
Synonyms	TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, Cachectin, DIF, TNFA, TNFSF2.
Description	Tumor Necrosis Factor-a Human Recombinant His produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 157 amino acids fragment (77-233) and having a molecular mass of 18.3kDa with an amino-terminal hexahistidine tag. The TNF-alpha His is purified by standard chromatographic tech-
Uniprot Accesion Number	P01375
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TNF-a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNF-a 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.
Formulation and Purity	TNF-a His is supplied in 1xPBS. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TNF-α in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	EC50 0.200-0.120ng/ml measured in a metabolic inhibitor actinomycin D assay using L-cells (ATCC CCL-1).
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**