9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TNF a Rat, His

Tumor Necrosis Factor-alpha Rat Recombinant, His Tag
CYK0556

Product Overview

Name	TNF a Rat, His
Description	
Tumor Necrosis Factor-alpha Rat Recombinant, His Tag	
Accession (Primary)	P16599
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 form, Tnfa, Tnfsf2, RATTNF, Tnfa.	
Introduction	
Tumor necrosis factor is a cytokine involved in systemic inflammation and is a member of a group of cytokines that all stimulate the acute phase reaction. TNF is mainly secreted by macrophages. TNF causes apoptotic cell death, cellular proliferation, differentiation, inflammation, tumorigenesis and viral replication, TNF is also involved in lipid metabolism, and coagulation. TNF's primary role is in the regulation of immune cells. Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases- autoimmune diseases, insulin resistance, and cancer.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
TNF a protein solution (1mg/ml) containing Phosphate Buffer Saline (pH7.4), 10% glycerol and 1mM DTT.	
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). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by analysis by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSHM LRSSS QNSSDKPVAH VVANHQAEEQ LEWLSQRANA LLANGMDLKD	

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NQLVVPADGL YLIYSQVLFK GQGCPDYVLL THTVSRFAIS YQEKVSLLSA IKSPCPKDTP EGAELKPWYE PMYLGGVFQL EKGDLLSAEV NLPKYLDITE SGQVYFGVIA L.

Precautions

TNF a Rat, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16599)