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

TNF a Human, Sf9

Tumor Necrosis Factor-alpha Human Recombinant, Sf9
CYK0551

Product Overview

Name	TNF a Human, Sf9
Description	
Tumor Necrosis Factor-alpha Human Recombinant, Sf9	
Accession (Primary)	P01375
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.	
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	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
TNF a protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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.	
Purity	
Greater than 90.0% as determined bySDS-PAGE.	
Amino acid sequence	

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VRSSSRTPSD KPVAHVVANP QAEGQLQWLN RRANALLANG VELRDNQLVV PSEGLYLIYS QVLFKGQGCP STHVLLTHTI SRIAVSYQTK VNLLSAIKSP CQRETPEGAE AKPWYEPIYL GGVFQLEKGD RLSAEINRPD YLDFAESGQV YFGIIAL HHH 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 ≤ 0.2 ng/ml.

Precautions

TNF a Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01375)