

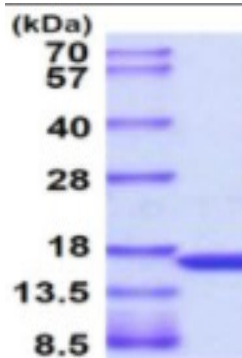
TNF

Recombinant Human TNF-alpha (aa 77-233)

Catalog No.	CSI15659A CSI15659B	Quantity:	100 µg 500 µg
Alternate Names:	TNF-alpha, TNFA, TNFSF2, DIF		
Description:	TNF-alpha is produced by neutrophils, CD4+ T-cells, macrophage, NK cells, LAK cells, astrocytes endothelial cells, and smooth muscle cells. TNF-alpha is cytolytic and plays an important role in immune regulation, including hemorrhagic tumor necrosis/cytotoxicity and inflammation, and in regulation of antiviral and immune proliferative and activation responses. The active form of this protein is a trimer. Recombinant human TNF-alpha contains an additional amino acid, methionine, attached at the N-terminus.		
UniProt ID:	P01375		
Gene ID:	7124		
Concentration:	1 mg/mL		
Source:	<i>E. coli</i>		
Molecular Weight:	17.5 kDa (158 aa), amino acid sequence confirmed by MALDI-TOF		
Formulation:	PBS, pH 7.4		
Purity:	>95% as determined by SDS-PAGE		
Endotoxin Level:	<1.0 EU/µg		
Biological Activity:	ED ₅₀ < 0.2 ng/mL, measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of metabolic inhibitor actinomycin D		
Activity Assay:	L929 cytotoxicity assay using actinomycin D Cell number: 2 x 10 ⁴ cells/well Incubation: 24 hr after sample treatment Assay media: 5% FBS media Cytokine concentration: 12 pg/ml - 25 ng/ml Detection method: MTT assay		
Amino Acid Sequence:	MVRSSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVELRDNQLV VPSEGLYLIY SQVLFKGQGC PSTHVLLTHT ISRIAVSYQT KVNLLSAIKS PCQRETPEGA EAKPWYEPY LGGVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIIAL		
Storage & Stability:	Product may be stored at 2-8°C for two weeks. For long term, aliquot and store at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles.		



15% SDS-PAGE (3 μ g)



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