

Active Recombinant Mouse Tnf Protein, His-Tagged

Cat. No. Tnf-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tnf Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	TNF- α is a kind of pleiotropic pro-inflammatory cytokine. It is secreted by various cells, such as adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. Proteolysis of the integral membrane precursor form of TNF- α from cells soluble can release homotrimeric TNF- α . TNF- α can bind with some TNF- α receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF- α participate in the inflammatory response.
Form	Lyophilized powder
AA Sequence	MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQLVVPADG LYLVYSQVLFGKGQGPCPDYVLLTHTVSRFAISYQE KVNLLSAVKSPCKDTPEGAELKPWYEPIYLGGVFQLEKGDQLSAEVNLPKYL DFA ESGQVYFGVIAL with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μ g of the protein by the LAL method.
Bio-activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of

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	actinomycin D. The ED50 for this effect is <40 pg/mL. The specific activity of recombinant mouse TNF alpha is approximately >2.5x 10 ⁷ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

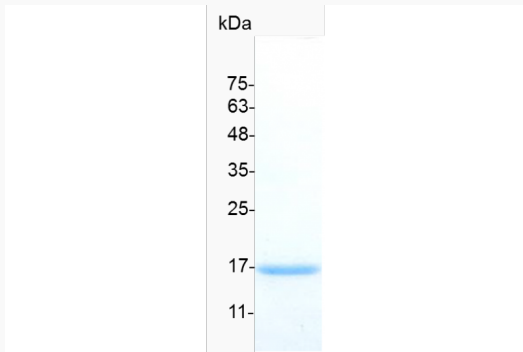
GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [Mus musculus (house mouse)]
Official Symbol	Tnf
Synonyms	DIF; Tnfa; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha
Gene ID	21926
mRNA Refseq	NM_001278601.1
Protein Refseq	NP_001265530.1
UniProt ID	P06804

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