

## Active Recombinant Mouse Tnf Protein, His-Tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Tnf Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	TNF- $\alpha$ 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- $\alpha$ from cells soluble can release homotrimeric TNF- $\alpha$ . TNF- $\alpha$ can bind with some TNF- $\alpha$ receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF- $\alpha$ participate in the inflammatory response.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQLVVPADG LYLVYSQVLFKGGQCPDYVLLTHTVSRFAISYQE KVNLLSAVKSPCKDTPEGAELKPWYEPIYLGGVFQLEKGDQLSAEVNLPKYL DFA ESGQVYFGVIAL with polyhistidine tag at the C-terminus
<b>Endotoxin</b>	<0.1 EU per 1 $\mu$ g of the protein by the LAL method.
<b>Bio-activity</b>	Measure by its ability to induce cytotoxicity in L929 cells in the presence of

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	actinomycin D. The ED50 for this effect is <40 pg/mL. The specific activity of recombinant mouse TNF alpha is approximately >2.5x 10 <sup>7</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
<b>Reconstitution</b>	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.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

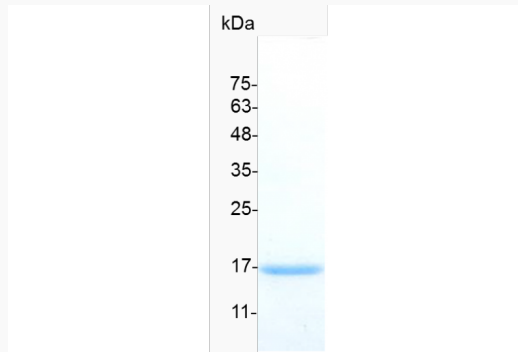
## GENE INFORMATION

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

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