

Recombinant Mouse Tnf Protein

Cat. No. Tnf-7357M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TNFa protein without tag was expressed in E. coli and purified by using conventional chromatography.
Species	Mouse
Source	E.coli
ProteinLength	80-235
Description	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. Members of this family are classified based on primary sequence, function, and structure. This protein is synthesized as a type-II transmembrane protein and is reported to be cleaved into products that exert distinct biological functions. It plays an important role in the innate immune response as well as regulating homeostasis but is also implicated in diseases of chronic inflammation. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles. Alternative splicing results in multiple transcript variants.
Form	Liquid
Molecular Mass	17.4 kDa
AA Sequence	MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQLVVPADG

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	LYLVYSQVLFGKGQGPCDYVLLTHTVSRFAISYQEKVNLLSAVKSPCPKDTPEGAELK PWYEPIYLGGVFQLEKGDQLSAEVNLPKYLDFAESGQVYFGVIAL
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by Bradford assay)
Storage Buffer	PBS, pH 7.4

GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [Mus musculus (house mouse)]
Official Symbol	Tnf
Synonyms	Tnf; tumor necrosis factor; DI; Tn; DIF; TNF-; Tnfa; Tnfs; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha; tumor necrosis factor; cachectin; tumor necrosis factor ligand 1f; tumor necrosis factor ligand superfamily member 2; tumor necrosis factor-alpha
Gene ID	21926
mRNA Refseq	NM_001278601
Protein Refseq	NP_001265530

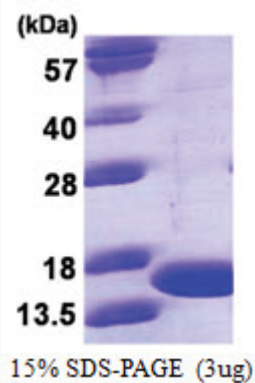
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UniProt ID P06804

SDS-PAGE



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