

Active Recombinant Mouse Tnf Protein (152 aa)

Cat. No. Tnf-148T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnf Protein (152 aa) without tag was expressed in P. pastoris.
Species	Mouse
Source	P.pastoris
ProteinLength	152
Description	Sharing 79% sequence identity with human Tumor Necrosis Factor-alpha (hTNF-α), mouse Tumor Necrosis Factor-alpha (mTNF-α) is a cytokine mainly expressed by immune cells. A type II transmembrane protein, TNF-α is further proteolytically processed to a soluble form. The trimeric active TNF-α then exerts its diverse biological properties including gapoptosis, inflammation, autoimmunity and cell proliferation by binding to TNF Receptor 1 and 2.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50< 0.01 ng/mL, measured by cytotoxicity assay using L929 cells, corresponding to a specific activity of >1 × 10 ⁸ units/mg.
Molecular Mass	17kDa, observed by reducing SDS-PAGE.
AA Sequence	SQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQLVVPADGLYLIVY SQVLFKGQGCPDYVLLTHTVSRFAISYQEKVNLLSAVKSPCPKDTPEGAELKPWYEP IYLGGVFQLEKGDQLSAEVNLPKYLDFAESGQVYFGVIAL

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Endotoxin	< 1 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by reducing SDS-PAGE.
Storage	Lyophilized recombinant mouse Tumor Necrosis Factor-alpha (rmTNF-α) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, rmTNF-α should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [<i>Mus musculus</i>]
Official Symbol	Tnf
Synonyms	TNF; tumor necrosis factor; TNF-α; TNF alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; DIF; Tnfa; TNFSF2; Tnfsf1a; TNFalpha; TNF-alpha; MGC151434;
Gene ID	21926
mRNA Refseq	NM_013693
Protein Refseq	NP_038721
UniProt ID	P06804

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