

Active Recombinant Mouse Tnf Protein, His-Avi-tagged, Biotinylated

Cat. No. Tnf-495M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Mouse TNF-alpha Protein, His Tag is expressed from HEK293 cells. It contains AA Leu 80 - Leu 235 (Accession # P06804). This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag.
Species	Mouse
Source	HEK293
ProteinLength	80-235 a.a.
Predicted N Terminal	Leu 80
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human TNFR1, Fc Tag at 5 ug/mL (100 ul/well) can bind Biotinylated Mouse TNF-alpha Protein, His Tag with a linear range of 0.8-12.5 ug/mL.
Molecular Mass	The protein has a calculated MW of 20.2 kDa. The protein migrates as 21 kDa on a SDS-PAGE gel under reducing condition due to glycosylation. More than 90% of Biotinylated Mouse TNF-alpha Protein, His Tag presents as active trimers with a molecular mass of 60 kDa, as determined by SEC-HPLC analysis.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

 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

Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-HPLC.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.8-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [<i>Mus musculus</i>]
Official Symbol	Tnf
Synonyms	TNF; tumor necrosis factor; TNF-a; 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

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mRNA Refseq NM_013693

Protein Refseq NP_038721

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