

TNF-alpha Recombinant Protein | TNF recombinant protein

TNF-alpha Protein, Mouse, Recombinant (ECD)

CATALOG #
AAA257471

HOST
E Coli

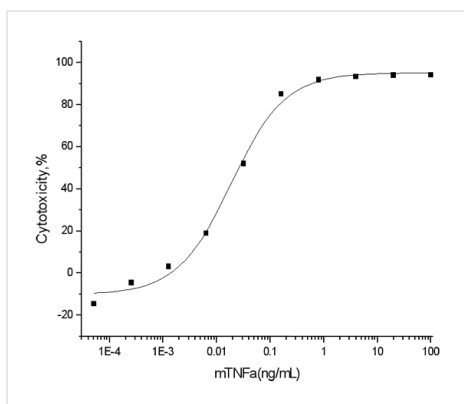
PRODUCT SYNONYMS

TNF-alpha; TNF-alpha Protein; Mouse; Recombinant (ECD); Mouse TNF-alpha/TNFA Protein; tumor necrosis factor; DIF Protein; TNF-a Protein; Tnfa Protein; TNFalpha Protein; Tnfsf1a Protein; TNFSF2 Protein; TNF recombinant protein

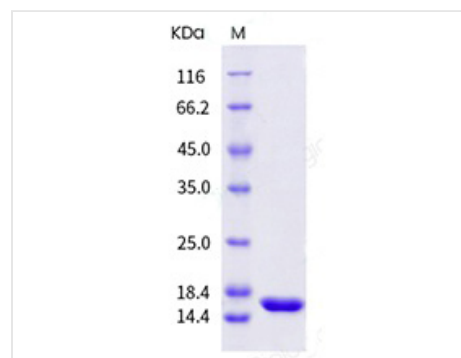
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>98 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	157aa
Sequence	Leu80-Leu2 35
Species	Mouse
Predicted N Terminal	Met
Protein Construction	JA DNA sequence encoding the soluble form of mouse TNF-alpha (NP_038721.1) (Leu 80-Leu 235) was expressed, with an initial Met at the C-terminus
Activity	Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 3-30 pg/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack

IMAGES



Application Data



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ADDITIONAL INFORMATION

Related Product Information for TNF recombinant protein	Tumor necrosis factor alpha (TNF-alpha), also known as TNF, TNFA or TNFSF2, is the prototypic cytokine of the TNF superfamily, and is a multifunctional molecule involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Two receptors, TNF-R1 (TNF receptor type 1; CD120a; p55/60) and TNF-R2 (TNF receptor type 2; CD120b; p75/80), bind to TNF-alpha. TNF-alpha protein is produced mainly by macrophages, and large amounts of this cytokine are released in response to lipopolysaccharide, other bacterial products, and Interleukin-1 (IL-1). TNF-alpha is involved in fighting against the tumorigenesis, thus, is regarded as a molecular insight in cancer treatment.TNF-alpha Protein & Antibody
Product Categories/Family for TNF recombinant protein	Cancer Drug Targets Neuroinflammation; Death Receptor Signaling
References	Hector J, et al. (2007) TNF-alpha alters visfatin and adiponectin levels in human fat. Horm Metab Res. 39(4): 250-5. Berthold-Losleben M, et al. (2008) The TNF-alpha System: Functional Aspects in Depression, Narcolepsy and Psychopharmacology. Curr Neuropharmacol. 6(3): 193-202.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305585
NCBI GeneID	21926
NCBI Accession #	NP_038721.1
NCBI GenBank Nucleotide #	NM_013693.2
UniProt Accession #	P06804; O35853; Q62326; Q91VF3; Q0X0E6; Q3U4I6; Q3U593; Q6TDG3
Molecular Weight	25,896 Da
NCBI Official Full Name	tumor necrosis factor
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	Tnf
NCBI Official Synonym Symbols	DIF; Tnfa; TNFSF2; Tnfsf1a; TNFalpha; MGC151434; TNF-alpha
NCBI Protein Information	tumor necrosis factor; TNF-a; TNF alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	Tnf
UniProt Synonym Gene Names	Tnfa; Tnfsf2; TNF-a; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/tnf-recombinant-protein-e-coli/257471>