

Recombinant Mouse Tnf Protein

Cat. No. Tnf-22M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tnf protein (Leu 80-Leu 235) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	80-235 a.a.
Description	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; CD12a; p55/6) and TNF-R2 (TNF receptor type 2; CD12b; p75/8), 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.
Molecular Mass	17 kDa
N-terminal Sequence Analysis	Met

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Purity	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile 50 mM Tris 0.2M NaCl, pH 7.2
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

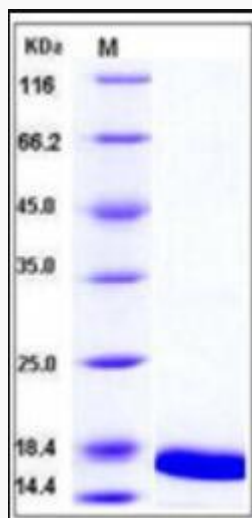
GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [Mus musculus (house mouse)]
Official Symbol	Tnf
Synonyms	Tnf; tumor necrosis factor; DIF; Tnfa; 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_013693
Protein Refseq	NP_038721
UniProt ID	P06804

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