

## Recombinant Mouse Tnf Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Tnf protein (Leu 80-Leu 235) without tag was expressed in E.coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	80-235 a.a.
<b>Description</b>	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.
<b>Molecular Mass</b>	17 kDa
<b>N-terminal Sequence Analysis</b>	Met

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<b>Purity</b>	> 98 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from sterile 50 mM Tris 0.2M NaCl, pH 7.2
<b>Shipping</b>	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.

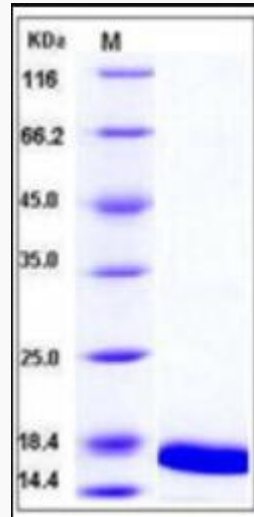
## GENE INFORMATION

<b>Gene Name</b>	Tnf tumor necrosis factor [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Tnf
<b>Synonyms</b>	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
<b>Gene ID</b>	21926
<b>mRNA Refseq</b>	NM_013693
<b>Protein Refseq</b>	NP_038721
<b>UniProt ID</b>	P06804

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