

TNF active protein

Recombinant Human TNF

CATALOG #
AAA214253

HOST
E Coli

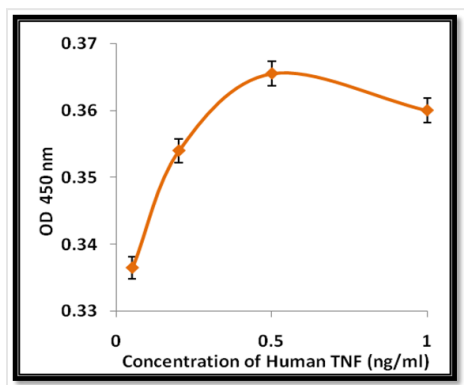
PRODUCT SYNONYMS

TNF; Recombinant Human TNF; TNFSF2; Cachectin; Differentiation-inducing factor (DIF); Necrosin; Cytotoxin; Recombinant Human Tumor Necrosis Factor Alpha (TNF); TNF active protein

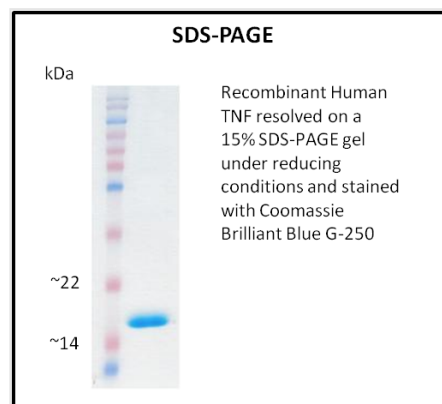
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (pH 7.2)
Sequence Length	233
Bioactivity	The ED50 as determined by dose dependent proliferation of IL4 stimulated human megakaryocytic cell line was found to be <=0.5 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for TNF active protein	Tumor Necrosis Factor is secreted by macrophages, monocytes, neutrophils, T cells, natural killer cells following their stimulation by bacterial lipopolysaccharides although cells expressing CD8(+) secrete little or no TNF-alpha. In addition, TNF is secreted by peripheral neutrophilic granulocytes and by a number of transformed cell lines that include those of astrocytes, microglial cells, smooth muscle cells and fibroblasts. Human milk also contains this factor. The synthesis of TNF-alpha is induced by many different stimuli including interferons, IL2, GM-CSF, SP, Bradykinin, Immune complexes, inhibitors of cyclooxygenase and platelet activating factor. TNF-alpha shares approximately 30% homology with TNF-beta. Human TNF-alpha is a non-glycosylated protein of 17.6 kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25952111
NCBI GeneID	7124
NCBI Accession #	NP_000585.2
NCBI GenBank Nucleotide #	NP_000585.2
UniProt Accession #	P01375
Molecular Weight	17.6 kDa
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; TNLG1F; TNF-alpha
NCBI Protein Information	tumor necrosis factor
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_HUMAN

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://stage.aaabiotech.com/e-coli-active-protein/tnf/214253>