

## Active Recombinant Dog TNF protein, His-tagged

Cat. No. TNF-558D Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Dog TNF protein(P51742)(63~233 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Dog
<b>Source</b>	E.coli
<b>ProteinLength</b>	63-233 aa
<b>Form</b>	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Bio-activity</b>	Tumor necrosis factor (TNF, tumor necrosis factor alpha, TNF $\alpha$ , cachexin, or cachectin) is a cell signaling protein (cytokine) involved in systemic inflammation and is one of the cytokines that make up the acute phase reaction. The primary role of TNF is in the regulation of immune cells. TNF, being an endogenous pyrogen, is able to induce fever, apoptotic cell death, cachexia, inflammation and to inhibit tumorigenesis and viral replication and respond to sepsis via IL1.
<b>Molecular Mass</b>	17.7kDa
<b>Endotoxin</b>	<1.0EU per 1 $\mu$ g (determined by the LAL method).
<b>Purity</b>	> 90% as determined by SDS-PAGE.

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**Storage** Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

**Reconstitution** Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name** TNF tumor necrosis factor [ *Canis lupus familiaris* ]

**Official Symbol** TNF

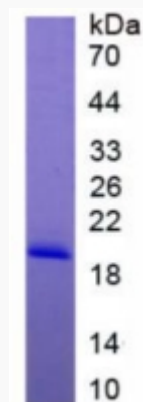
**Synonyms** TNF; tumor necrosis factor; TNF-a; TNF-alpha; cachectin; tumour necrosis factor; tumor necrosis factor alpha; tumor necrosis factor (TNF superfamily, member 2); tumor necrosis factor ligand superfamily member 2; TNFA; cTNF;

**Gene ID** 403922

**mRNA Refseq** NM\_001003244

**Protein Refseq** NP\_001003244

### SDS-PAGE

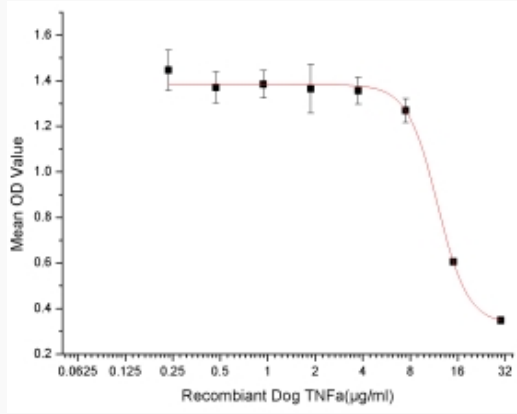


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**Activity**



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