

## Active Recombinant Human TNF protein

Cat. No. TNF-5343H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human TNF protein was expressed in Yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>Form</b>	Sterile lyophilized powder, in PBS containing 0.1% HSA, pH7.4.
<b>Bio-activity</b>	Measured in a cell apoptosis assay using L929 cell line. The specific Activity shall be not less than $5 \times 10^7$ IU/mg.
<b>Molecular Mass</b>	Approximately 17.4kD.
<b>Endotoxin</b>	<1EU/ $\mu$ g, determined by the LAL method.
<b>Purity</b>	$\geq 97\%$ .
<b>Storage</b>	<p>Lyophilized samples are stable for 36 months from date of manufacture at -20°C to -70°C.</p> <p>Upon reconstitution, this cytokine can be stored under sterile conditions at 2- 8°C for one month or at -20°C to -70°C in a manual defrost freezer for three months without detectable loss of activity.</p> <p>Avoid repeated freeze-thaw cycles.</p>
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized rHuTNF- $\alpha$ in 0.2ml sterile water.

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## GENE INFORMATION

<b>Gene Name</b>	TNF tumor necrosis factor [ Homo sapiens ]
<b>Official Symbol</b>	TNF
<b>Synonyms</b>	TNF; tumor necrosis factor; TNFA, tumor necrosis factor (TNF superfamily, member 2); DIF; TNF superfamily; member 2; TNF alpha; TNFSF2; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; TNF superfamily, member 2; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; TNFA; TNF-alpha;
<b>Gene ID</b>	7124
<b>mRNA Refseq</b>	NM_000594
<b>Protein Refseq</b>	NP_000585
<b>MIM</b>	191160
<b>UniProt ID</b>	P01375

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