

## Active Recombinant Human TNF protein

**Cat. No.** TNF-154H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TNF was expressed in HEK293 as Native Trimer Form and Animal-derived product free.                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                           |
| <b>Form</b>             | 1x PBS. Lyophilized and Carrier Free (CF).                                                                                                                                       |
| <b>Bio-activity</b>     | The activity was determined by the dose- dependent cytotoxicity of the TNF alpha sensitive cell line L-929 in the presence of Actinomycin D. Typically $\leq 1$ ng/ml EC50       |
| <b>Molecular Mass</b>   | 17 kDa, non-disulfide bonded homotrimer, glycosylated                                                                                                                            |
| <b>Endotoxin</b>        |                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                             |
| <b>Reconstitution</b>   | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA). |

### GENE INFORMATION

|                  |                                            |
|------------------|--------------------------------------------|
| <b>Gene Name</b> | TNF tumor necrosis factor [ Homo sapiens ] |
|------------------|--------------------------------------------|

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|                            |                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 6p21.3                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pathway</b>             | Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem;                   |
| <b>Function</b>            | cytokine activity; identical protein binding; protease binding; protein binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding;                                                                                                                                                                                                            |