

## Active Recombinant Mouse TNF $\alpha$ Protein, Met-tagged

Cat. No. TNF $\alpha$ -731M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse TNF $\alpha$ Protein(NP_038721.1) (Leu 80-Leu 235) was expressed in E. coli, with an initial Met at the N-terminus.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu 80-Leu 235
<b>Form</b>	Lyophilized from sterile PBS, pH7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 3-30 pg/mL.
<b>Molecular Mass</b>	The recombinant mouse TNF- $\alpha$ consists of 157 amino acids and migrates with an apparent molecular mass of 17.39 kDa as estimated in SDS-PAGE under reducing conditions.
<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 -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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