

## Recombinant Mouse TNFa

Catalog No: CF09

**Description** Recombinant Mouse Tumor Necrosis Factor Alpha is produced by our E. coli expression system and

the target gene encoding Asp89-Leu235 is expressed.

Source E. coli

Tumor Necrosis Factor; Cachectin; TNF-Alpha; Tumor Necrosis Factor Ligand Superfamily Member 2; **Alternative name** 

TNF-a; Tumor Necrosis Factor; Membrane Form; Tumor Necrosis Factor; Soluble Form; Tnf; Tnfa;

Tnfsf2

Accession No. P06804

Predicted Molecular 16.4kDa

Weight

**AP Molecular** Weight

14kDa, reducing conditions.

**Formulation** 

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Quality Control** 

Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Shipping** 

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

**Storage** 

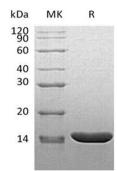
Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Background** 

Tumor Necrosis Factor (TNF) is a member of the Tumor Necrosis Factor family. TNF exists as a homotrimer and interacts with SPPL2B. TNF is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. TNF is a key cytokine in the development of several inflammatory disorders. It contributes to the development of type 2 diabetes throught its effects on insulin resistance

and fatty acid metabolism.



**SDS-Page** 

