

# Recombinant Mouse TNF-alpha/TNFA Protein (aa 80-235)

RPES4097

## Description

---

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

---

**SKU:** RPES4097

**Purity:** > 98 % as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 0.1 EU per µg of the protein as determined by the LAL method.

**Synonyms:** Cachectin, DIF, Membrane Form, TNF-Alpha, TNF-a, TNF-alpha, TNFSF2, TNFalpha, Tnf, Tnfa, Tnfsf1a, Tnfsf2, Tumor Necrosis Factor, Tumor Necrosis Factor Ligand Superfamily Member 2

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is <40 pg/mL. The specific activity of recombinant mouse TNF alpha is approximately >2.5x 10<sup>7</sup> IU/mg.

**Calculated MW:** 18.2 kDa

**Formulation:** Lyophilized from sterile PBS,pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 16 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Accession:** P06804

**Source:** E.coli-derived Mouse TNF-alpha/TNFA protein Leu 80-Leu 235, with an C-terminal His

**Sequence:** Leu 80-Leu 235

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.