

Recombinant Human TNF-alpha/TNFA Protein (aa 57-233, His Tag)

RPES1664

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: RPES1664

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 50µg, 10µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: Cachectin, TNF, TNF-Alpha, TNF-a, TNFA, 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: N-His

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

Expression Host: E.coli

Bio-Activity: Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 30-150 pg/ml.

Calculated MW: 21.8 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 100mM NaCl, 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: 18 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measured in a cytotoxicity assay

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

using L- 929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 30-150 pg/ml. Loaded Human TNF alpha-His(RPES1664) on HIS1K Biosensor, can bind Human TNF RII-mFc(RPES3984) with an affinity constant of 1.83 nM as determined in BLI assay.

Accession: P01375

Source: E.coli-derived Human TNF-alpha/TNFA protein Gly57-Leu233, with an N-terminal His

Sequence: Gly57-Leu233

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.