Human TNFR2/CD120b/TNFRSF1B (His & Fc Tag) recombinant protein

Catalog Number: 503536

General Information

Gene Name Synonym

Tumor necrosis factor receptor 2; Tumor necrosis factor receptor type II; p75; p80 TNF-alpha receptor; Tumor necrosis factor receptor superfamily member 1b, membrane form; Tumor necrosis factor-binding protein 2; TBP-2; TBPII

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asp 257) of human TNFRII (NP_001057.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit the TNF-α mediated cytotoxicity in the L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED_{50} for this effect is typically 4-16 ng/ml in the presence of 0.25 ng/mL recombinant human TNF-α.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

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

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Leu 23

Molecular Mass

The recombinant human TNFRII/Fc is a disulfide-linked homodimer. The reduced monomer consists of 482 amino acids and has a predicted molecular mass of 53 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh TNFRII/Fc monomer is approximately 75 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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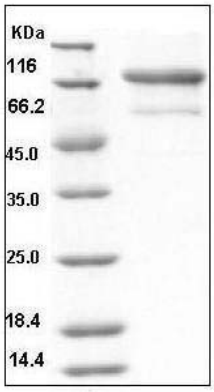

Human TNFR2 / CD120b / TNFRSF1B Protein (His & Fc Tag) SDS-PAGE