# 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- $\alpha$  mediated cytotoxicity in the L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED<sub>50</sub> for this effect is typically 4-16 ng/ml in the presence of 0.25 ng/mL recombinant human TNF- $\alpha$ .

# **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# **Stability**

Samples are stable for up to twelve months from

date of receipt at -70°C

#### **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°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

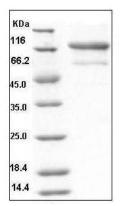
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

# **SDS-PAGE**

# $\begin{array}{l} Human\ TNFR2/CD120b/TNFRSF1B\ (His\ \&\ Fc\ Tag)\\ recombinant\ protein \end{array}$



Catalog Number: 503536



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