

# Human TNFR2/CD120b/TNFRSF1B (His Tag) recombinant protein



Catalog Number: 503859

## 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 TNFR2 (NP\_001057.1) was expressed, fused with a C-terminal polyhistidine tag.

### 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 0.2-0.8  $\mu$ g/ml in the presence of 0.25 ng/mL recombinant human TNF- $\alpha$ .

### Purity

> 97 % 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 TNFR2 comprises 246 amino acids and has a calculated molecular mass of 26.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh TNFR2 is approximately 42-45 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.

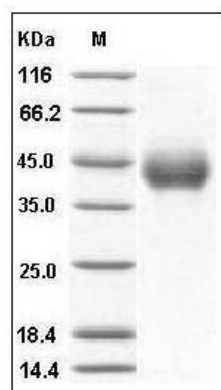
### SDS-PAGE

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