

# Human TNFR2/CD120b/TNFRSF1B (aa 1-268, 196 Met/Arg, His Tag) recombinant protein



Catalog Number: 501430

## 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 human TNFRSF1B (P20333-2) (Met1-Arg268, natural variant 196 Met/Arg) was expressed 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 5-40 ng/mL in the presence of 1 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 TNFRSF1B comprises 257 amino acids and has a predicted molecular mass of 27.7 kDa. The apparent molecular mass of the protein is approximately 43 kDa in SDS-PAGE under reducing conditions 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

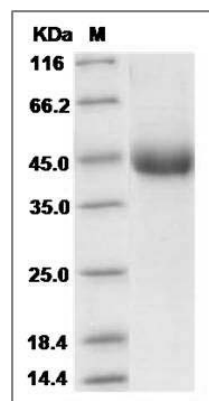
### Storage

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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