

# Recombinant Human TNFRSF1B/CD120b Protein (mFc Tag)



Catalog Number:PKSH033484

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

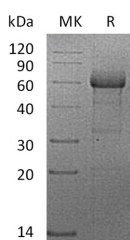
## Description

<b>Synonyms</b>	Tumor necrosis factor receptor superfamily member 1B;TNFRSF1B;Tumor necrosis factor receptor 2;TNF-R2;TNF-RII;Tumor necrosis factor receptor type II;p75;p80 TNF-alpha receptor;CD120b;Tumor Necrosis Factor Receptor II
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Pro24-Thr206
<b>Accession</b>	P20333
<b>Calculated Molecular Weight</b>	46.4 kDa
<b>Observed molecular weight</b>	60 kDa
<b>Tag</b>	C-mFc

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) is a member of the tumor necrosis factor receptor superfamily. Human TNF RII contains four cysteine-rich repeats in its ECD; which shares 58% and 56% amino acid sequence identity with the mouse and rat orthologs; respectively. TNF RII is expressed predominantly on cells of the hematopoietic lineage; such as T and natural killer cells; as well as on endothelial cells; microglia; astrocytes; neurons; oligodendrocytes; cardiac myocytes; thymocytes; and mesenchymal stem cells. TNF RII binds to the membrane-bound forms of TNF $\alpha$  and Lymphotoxin $\alpha$ /TNF $\beta$ ? soluble TNF is thought to signal predominately through TNF RI. Soluble TNF

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RII is believed to inhibit TNF biological activity by binding TNF thereby preventing it from activating membrane TNF receptors.

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