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# TNFRSF1B Protein (mFc Tag)



**Images** 



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#### Overview

Quantity:	100 μg
Target:	TNFRSF1B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF1B protein is labelled with mFc Tag.

### **Product Details**

Sequence:	Leu23-Asp257
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TNFR2 at 5µg/ml (100µl/Well). Dose response curve for Human TNF alpha, His Tag with the EC50 of 0.17µg/ml determined by ELISA. See testing image for detail.

## **Target Details**

Target:	TNFRSF1B
Alternative Name:	TNFR2 (TNFRSF1B Products)
Background:	CD120b, Etanercept, p75TBPII, p75TNFR, TNF RII, TNF-R2, TNF-R75, TNFR80, TNFRSF1B,
	TNFR2, TBPII, TNFBR, TNFR1B, Tumor Necrosis Factor Receptor II (TNF RII), also known as
	TNFRSF1B, p75/p80, and CD120b, is a type I transmembrane protein that belongs to the TNF

# **Target Details**

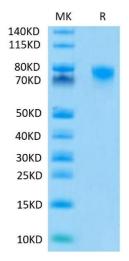
	receptor superfamily. It has a molecular weight of approximately 75 kDa.Receptor with high
	affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric
	TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors
	BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects
	of TNF-alpha.
Molecular Weight:	51.5 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Tris-Bis PAGE result.
Molecular Weight: UniProt:	51.5 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Tris-Bis PAGE result.  P20333

# Application Details

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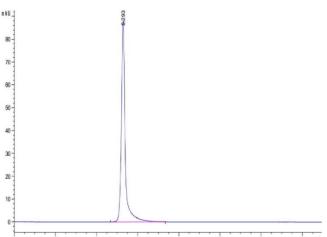
# Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



#### **SDS-PAGE**

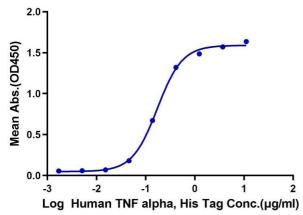
Image 1. Human TNFR2 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 %.



# Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TNFR2 is greater than 95% as determined by SEC-HPLC.





#### **ELISA**

**Image 3.** Immobilized Human TNFR2 at  $5\,\mu g/mL$  (100  $\mu$  L/Well). Dose response curve for Human TNF alpha, His Tag with the EC50 of 0.17  $\mu g/mL$  determined by ELISA.