



# Recombinant Human Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B), partial (Active)

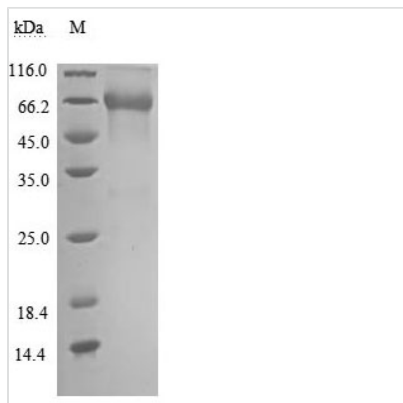
<b>Product Code</b>	CSB-MP023978HU2
<b>Relevance</b>	Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.
<b>Abbreviation</b>	Recombinant Human TNFRSF1B protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P20333
<b>Form</b>	Lyophilized powder
<b>Product Type</b>	Others
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized TNF- $\alpha$ (CSB-YP023955HU) at 5 $\mu$ g/ml can bind human TNFR2, the EC <sub>50</sub> of human TNFR2 protein is 1.162-1.481 ng/ml.②Measured by its binding ability in a functional ELISA. Immobilized LTA (CSB-MP013218HU) at 5 $\mu$ g/ml can bind human TNFRSF1B, the EC <sub>50</sub> is 1.632-2.699 ng/ml.
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE.
<b>Sequence</b>	LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTV CDSCEDSTYTQLWNWVPECLSCGSRCSDDQVETQACTREQNRICTRPGWY CALSKQEGCRLCAPLRKCRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDI CRPHQICNVVAIPGNASMDAVCTSTSPTRSMAPGAVHLPQPVSTRSQHTQPT PEPSTAPSTSFLPMGPPAEGSTGD
<b>Research Area</b>	Cancer
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TNFRSF1B
<b>Expression Region</b>	23-257aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal hFc1-tagged



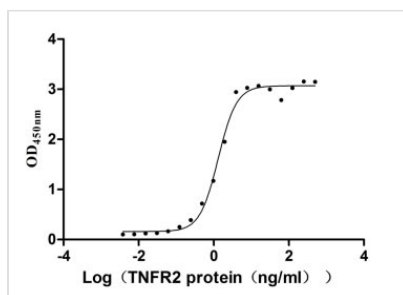
**Mol. Weight** 54.1 kDa

**Protein Length** Partial

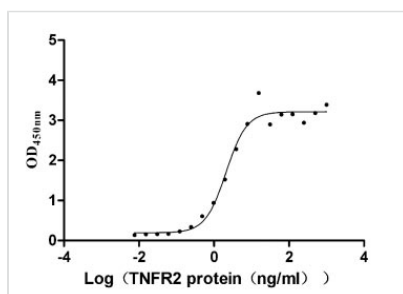
**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized TNF- $\alpha$  (CSB-YP023955HU) at 5  $\mu$ g/ml can bind human TNFR2, the EC<sub>50</sub> of human TNFR2 protein is 1.162-1.481 ng/ml.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized LTA (CSB-MP013218HU) at 5  $\mu$ g/ml can bind human TNFRSF1B, the EC<sub>50</sub> is 1.632-2.699 ng/ml.

**Endotoxin** Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.