



# Recombinant Human Tumor necrosis factor ligand superfamily member 13B (TNFSF13B), partial (Active)

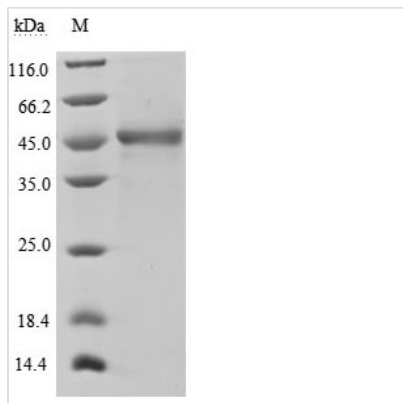
<b>Product Code</b>	CSB-MP897523HU1
<b>Relevance</b>	Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13B/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity.
<b>Abbreviation</b>	Recombinant Human TNFSF13B 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>	Q9Y275
<b>Form</b>	Lyophilized powder
<b>Product Type</b>	Others
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	①Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 10 µg/ml can bind human BCMA (CSB-MP023974HU1), the EC <sub>50</sub> of human TNFSF13B protein is 221.3-298.6 ng/ml.②Human TNFSF13B protein Fc tag (CSB-MP897523HU1) captured on COOH chip can bind Human BCMA protein Fc tag (CSB-MP023974HU1) with an affinity constant of 39 nM as detected by LSPR Assay.③Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 2 µg/ml can bind TNFRSF13C(CSB-MP853495HU1), the EC <sub>50</sub> is 9.943-15.72 ng/ml.
<b>Purity</b>	≥ 90% as determined by SDS-PAGE. ≥ 90% as determined by SEC-HPLC.
<b>Sequence</b>	AVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSAL EEKENKILV KETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDEL SLVTLFRCIQNPETLP NNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL
<b>Research Area</b>	Cancer
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TNFSF13B
<b>Expression Region</b>	134-285aa
<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>	N-terminal hFc-tagged



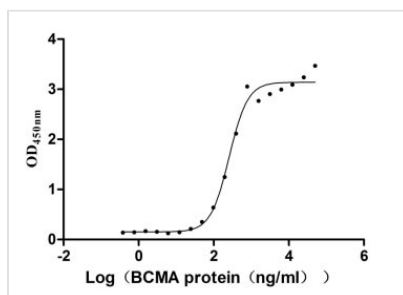
**Mol. Weight** 46.6 kDa

**Protein Length** Partial

**Image**

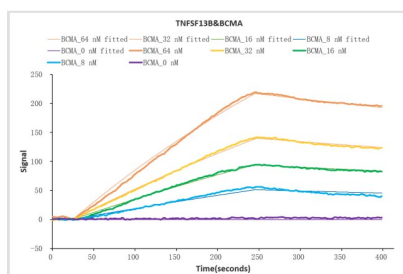


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

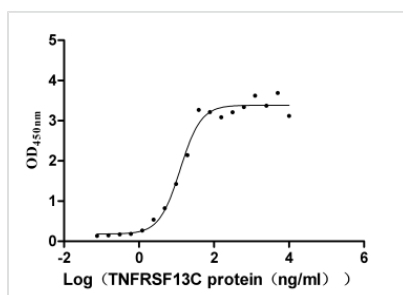


**Activity**

Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 10 µg/ml can bind human BCMA (CSB-MP023974HU1), the EC<sub>50</sub> of human TNFSF13B protein is 221.3-298.6 ng/ml.

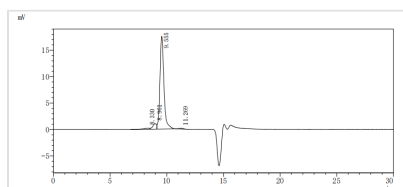


Human TNFSF13B protein Fc tag (CSB-MP897523HU1) captured on COOH chip can bind Human BCMA protein Fc tag (CSB-MP023974HU1) with an affinity constant of 39 nM as detected by LSPR Assay.



**Activity**

Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 2 µg/ml can bind TNFRSF13C(CSB-MP853495HU1), the EC<sub>50</sub> is 9.943-15.72 ng/ml.



The purity of TNFSF13B was greater than 90% as determined by SEC-HPLC

**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**

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