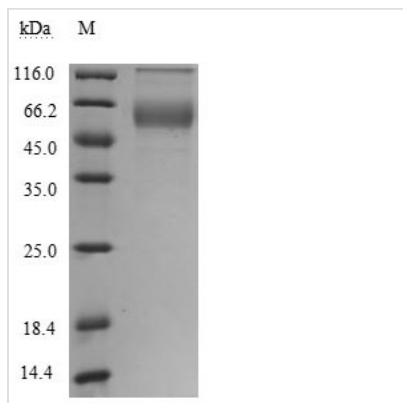


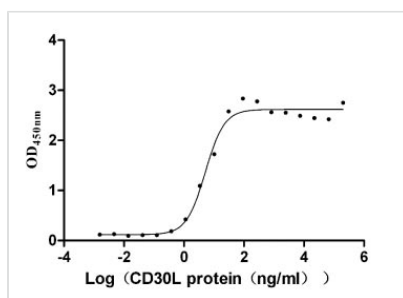


Recombinant Human Tumor necrosis factor ligand superfamily member 8 (TNFSF8), partial (Active)

Product Code	CSB-MP023996HU1c9
Abbreviation	Recombinant Human TNFSF8 protein, partial (Active)
Storage	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.
Uniprot No.	P32971
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD30(CSB-MP023983HU1) at 5 µg/ml can bind human CD30L, the EC ₅₀ is 4.169-6.360 ng/ml.
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QRTDSIPNSPDNVPLKGGNCSEDLLCILKRAPFKKSWAYLQVAKHLNKTCLSW NKDGILHGVRYQDGNLVIQFPGLYFIICQLQFLVQCPNNSVDLKLELLINKHIKK QALVTVCESGMQTKHVYQNLSQFLLDYLQVNTTISVNVDTFQYIDTSTFPLENV LSIFLYSNSD
Source	Mammalian cell
Target Names	TNFSF8
Expression Region	63-234aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal hFc-tagged
Mol. Weight	45.8 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 CD30(CSB-MP023983HU1) at 5 µg/ml can bind human CD30L, the EC₅₀ is 4.169-6.360 ng/ml.

Description

Human TNFSF8 amino acids (Gln63-Asp234) were expressed in the mammalian cells. The amino terminus contains the human IgG1 Fc-tag. The product is the partial length recombinant TNFSF8 protein. The SDS-PAGE assessed the purity of the protein to be greater than 90%. This TNFSF8 protein migrated to the molecular weight of about 55 kDa on the gel. The LAL method determined that the endotoxin content of the TNFSF8 protein was less than 1.0 EU/ug. This TNFSF8 protein has been validated to be biologically active through a functional ELISA. The receptor TNFRSF8 can bind to this TNFSF8 protein with the EC₅₀ of about 4.169-6.360 ng/ml. It is in stock now.

TNFSF8, also called CD153 or CD30L, is expressed on activated CD4+, CD8+ T cells, B cells, and macrophages. It mediates B cell growth and differentiation. Nancy D Marín and Luis F García found that TNFSF8-TNFRSF8 plays key roles in the T cell-dependent anti-mycobacterial immune response.

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.