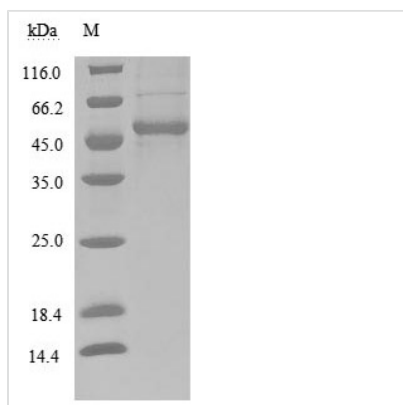


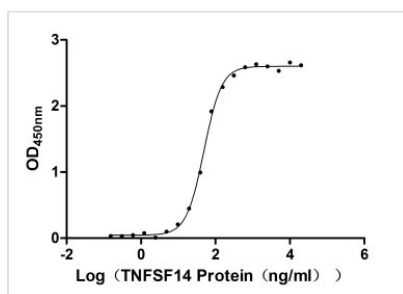


Recombinant Human Tumor necrosis factor ligand superfamily member 14 (TNFSF14), partial (Active)

Product Code	CSB-MP023991HUj2
Abbreviation	Recombinant Human TNFSF14 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.	O43557
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	①Measured by its binding ability in a functional ELISA. Immobilized TNFRSF14 (CSB-MP842173HU) at 5 µg/ml can bind TNFSF14, the EC ₅₀ is 45.44-53.29 ng/ml.
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	DGPAGSWEQLIQERRSHEVNPA AHLTGANSSLTGSGGPLLWETQLGLAFLRG LSYHDGALVVT KAGYYYIYSKVQLGGVGCPLGLASTITHGLYKRTPRYPEEEL LVSQQSPCGRATSSSRVWW DSSFLGGVVHLEAGEKVVVRVLDERLVRLRDG TRSYFGAFMV
Research Area	Cancer
Source	Mammalian cell
Target Names	TNFSF14
Expression Region	74-240aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal hFc-Myc-tagged
Mol. Weight	46.7 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 TNFRSF14 (CSB-MP842173HU) at 5 µg/ml can bind TNFSF14, the EC₅₀ is 45.44-53.29 ng/ml.

Description

Human TNFSF14 DNA fragment encoding the amino acid Asp74-Val240, with an N-terminal hFc-Myc-tag as well as an N-terminal linker, was expressed in mammalian cells. The obtained product is the recombinant human TNFSF14 protein. Its purity is measured by SDS-PAGE and reaches up to 88%. This TNFSF14 protein has an apparent molecular mass of 50 kDa on SDS-PAGE while its predicted mass is 46.7 kDa. It contains less than 1.0 EU/ug endotoxin determined by the LAL method. And its bioactivity was validated in the functional ELISA by measuring its binding ability with the TNFRSF14. In-stock TNFSF14 protein is offered now.

TNFSF14, also called LIGHT or HVEM, is a type II membrane protein mainly expressed on activated T cells, NK cells, and immature dendritic cells (DCs). TNFSF14 signaling participates in lymphoid organ development and organization, as well as both innate and adaptive immune responses. It also exerts dual effects in lymphocytes and tumor cells, whether pro-survival or pro-apoptosis of TNFSF14 is determined by the cellular context.

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.