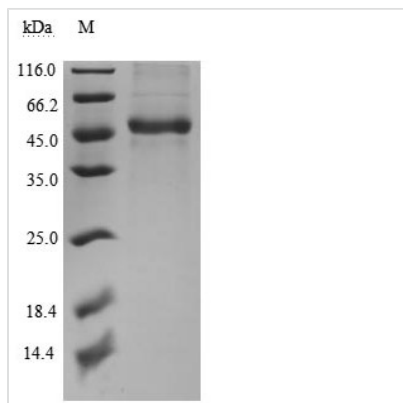


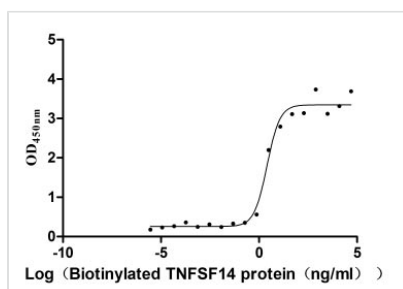


Recombinant Human Tumor necrosis factor ligand superfamily member 14 (TNFSF14), partial, Biotinylated (Active)

Product Code	CSB-MP023991HUj7-B
Abbreviation	Recombinant Human TNFSF14 protein, partial, Biotinylated (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	Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF14 (CSB-MP842173HU) at 5 µg/ml can bind Biotinylated human TNFSF14, the EC ₅₀ is 1.773-3.707 ng/ml.
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	DGPAGSWEQLIQERRSHEVNPA AHLTGANSSLTGSGGPLLWETQLGLAFLRG LSYHDGALVVT KAGYYYIYSKVQLGGVGCPLGLASTITHGLYKRTPRYPEEEL LVSQQSPCGRATSSSRVWWDS SFLGGVVHLEAGEKV VVRVLDERLVRLRDG TRSYFGAFMV
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-Avi-tagged
Mol. Weight	47.3 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 human TNFRSF14 (CSB-MP842173HU) at 5 µg/ml can bind Biotinylated human TNFSF14, the EC₅₀ is 1.773-3.707 ng/ml.

Description

The recombinant human TNFSF14 is an active protein expressed from mammalian cells, with an N-terminal hFc-Avi-tag. Its expression region is the DNA fragment encoding the amino acid residues 74-240 of the human TNFSF14 protein. The purity of this TNFSF14 protein is greater than 90% measured by SDS-PAGE. This recombinant TNFSF14 protein migrated to the band with a molecular weight of approximately 45 kDa on the gel. Its endotoxin level is less than 1.0 EU/ug determined by the LAL method. And its bioactivity has been validated in the ELISA. In the functional ELISA, this Biotinylated human TNFSF14 protein binds to the human TNFRSF14, with an EC₅₀ constant of 1.773-3.707 ng/ml. This biotinylated TNFSF14 protein could be used to isolate the TNFSF14 antibodies from the samples for subsequent analyses with high sensitivity. It is in stock now.

TNFSF14, also known as LIGHT, is mainly expressed on activated T cells and NK cells, as well as immature dendritic cells (DC). It is a key component of the communication system that controls the T-cell responses. TNFSF14-TNFRSF14 interactions support the production and longevity of TH2 cells and promote TH2 memory through Akt activation.

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.