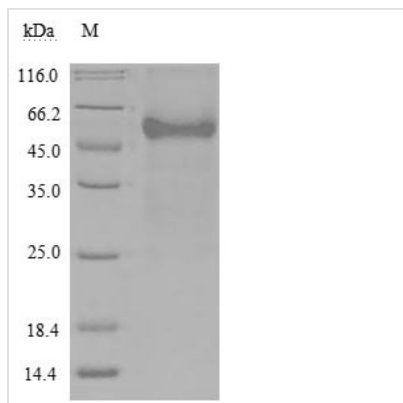


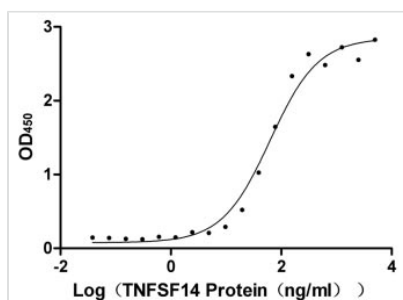


# Recombinant Human Tumor necrosis factor receptor superfamily member 14 (TNFRSF14), partial (Active)

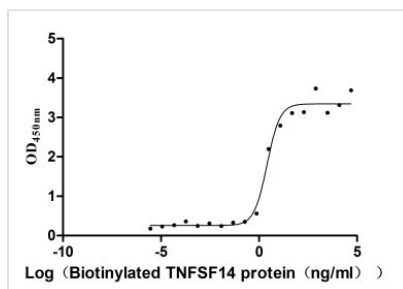
<b>Product Code</b>	CSB-MP842173HU
<b>Abbreviation</b>	Recombinant Human TNFRSF14 protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form 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>	Q92956
<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 TNFRSF14 at 5 µg/ml can bind human TNFSF14(CSB-MP023991HUj2), the EC <sub>50</sub> is 49.85-79.31 ng/ml.②Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF14 at 5 µg/ml can bind Biotinylated human TNFSF14 (CSB-MP023991HUj7-B), the EC <sub>50</sub> is 1.773-3.707 ng/ml.
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	LPSCKEDEYPVGSECCPKCSPGYRVKEACGELTGTVCEPCPPPGTYIAHLNGL SKCLQCQMCDPAMGLRASRNCsRTENAVCGCSPGHFCIVQDGDHCAACRAY ATSSPGQRVQKGGTESQDTLCQNCPPGTFSPNGTLEECQHQTCSWLVTKA GAGTSSSHWV
<b>Research Area</b>	Cancer
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TNFRSF14
<b>Expression Region</b>	39-202aa
<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
<b>Mol. Weight</b>	48.5 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



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



Measured by its binding ability in a functional ELISA. Immobilized TNFRSF14 at 5 µg/ml can bind human TNFSF14(CSB-MP023991HUj2), the EC<sub>50</sub> is 49.85-79.31 ng/ml



Activity  
Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF14 at 5 µg/ml can bind Biotinylated human TNFSF14 (CSB-MP023991HUj7-B), the EC<sub>50</sub> is 1.773-3.707 ng/ml.

## Description

A DNA fragment corresponding to the peptide of human TNFRSF14 was expressed with a C-terminal hFc-tag in mammalian cells. TNFRSF14 CSB-MP842173HU is a truncated molecule having amino acids of Leu39-Val202. Its purity is greater than 90% measured by SDS-PAGE. A molecular mass band of about 50 kDa was presented on the gel under reducing conditions. Its endotoxin level is less than 1.0 EU/ug determined by the LAL method. Through the functional ELISA, this TNFRSF14 protein has been validated as an active protein. And it is available now.

TNFRSF14, also known as CD270, LIGHT, or HVEM, is mainly expressed in hematopoietic and lymphoid tissues. The ligation of TNFRSF14 and its ligands is involved in phagocytosis enhancement, anti-bacterial inflammation, and T cell co-stimulation or immunosuppression. TNFRSF14 also delivers a negative signal to T cells through B and T Lymphocyte Attenuator (BTLA) molecule and has been linked to a poor prognosis in various tumors.

## 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.