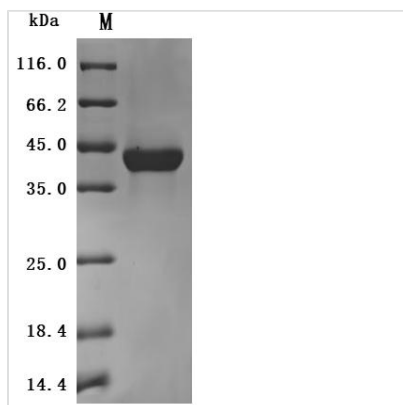


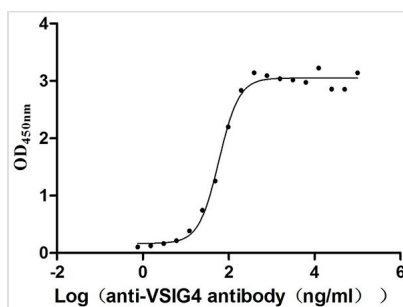


Recombinant Human V-set and immunoglobulin domain-containing protein 4 (VSIG4), partial (Active)

Product Code	CSB-MP896869HU
Abbreviation	Recombinant Human VSIG4 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.	Q9Y279
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human VSIG4 at 2 µg/ mL can bind Anti-VSIG4 recombinant antibody (CSB-RA896869MA1HU), the EC50 is 51.14-68.73 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	RPILVPESVTGPWKGDVNLPCYDPLQGYTQVLVKWLVRGSDPVTIFLRDS SGDHIQQAKYQGRHLVSHKVPDVSLLQSTLEMDDRSYHTCEVTWQTPDGN QVVRDKITELRVQKLSVSKPTVTTGSGYGFTVPQGMRLSLQCQARGSPPISYI WYKQQTNNQEPIKVATLSTLLFKPAVIADSGSYFCTAKGQVGSEQHSDIVKFV VKDSSKLLKTKTEAPTTMTYPLKATSTVKQSWDWTDDMDGYLGETSAGPGKS LP
Source	Mammalian cell
Target Names	VSIG4
Expression Region	20-283aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	30.6 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 Human VSIG4 at 2 µg/ml can bind Anti-VSIG4 recombinant antibody (CSB-RA896869MA1HU), the EC₅₀ is 51.14-68.73 ng/mL.

Description

This Human VSIG4 recombinant protein was produced in Mammalian cell, where the gene sequence encoding human VSIG4 (20-283aa) was expressed with the C-terminal 10xHis tag. The purity of this VSIG4 protein was 95%. The activity has been validated.

VSIG4 acts through complement receptors and phagocytosis. As an important effector system and effector amplification system in the body, the complement system can promote the phagocytosis of pathogens by macrophages by acting on the surface of pathogens, destroying the cell membranes of pathogens, and regulating the surface molecules of pathogens.

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.