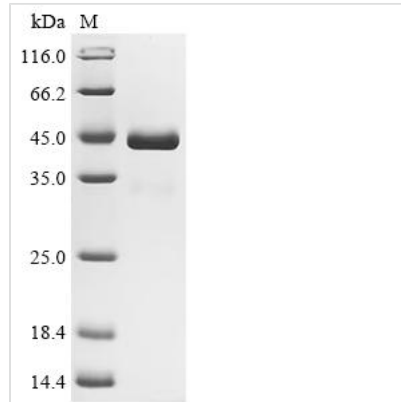


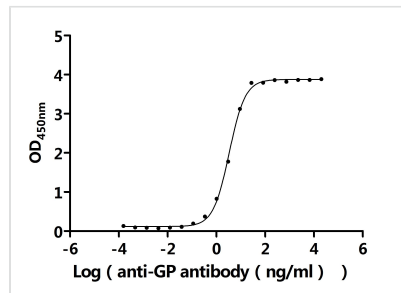


Recombinant Crimean-Congo hemorrhagic fever virus Envelopment polyprotein (GP), partial (Active)

Product Code	CSB-MP810349CSC2
Abbreviation	Recombinant Crimean-Congo hemorrhagic fever virus GP 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.	Q8JSZ3
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Crimean-Congo hemorrhagic fever virus (strain Nigeria/IbAr10200/1970) (CCHFV)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CCHFV GP at 2 µg/mL can bind Anti-GP recombinant antibody (CSB-RA810349MA1CSC). The EC50 is 3.136-3.585 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	KPTVSTANIALSWSSVEHRGNKILVSGRSESIMKLEERTGISWDLGVEDASESK LLTVSVMDL SQMYSPVFEYLSGDRQVGEWPKATCTGDCPERCGCTSSTCLH KEWPHSRNWRCNPTWCWGVGTGCTCCGLDVKDLFTDYMFVKWKVEYIKTE AIVCVELTSQERQCSLIEAGTRFNLGPVTITLSEPRNIQQKLPPEITLHPRIEEGF FDLMHVQKVL SASTVCKLQ SCTHGVPGDLQVYHIGNLLKGDKVNGLIHKIEP HFNTSWMSWDGCDLDYYCNMGDWPSCTYTGVTQHNHASFVNLLNIETDYTK NFHFHSKRVT AHG DTPQLDLKARPTYGAGEITV LVEVADMELHTKK
Source	Mammalian cell
Target Names	GP
Expression Region	1078-1439aa
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	42.2 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 CCHFV GP at 2 µg/ml can bind Anti-GP recombinant antibody (CSB-RA810349MA1CSC). The EC₅₀ is 3.136-3.585 ng/mL.

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.