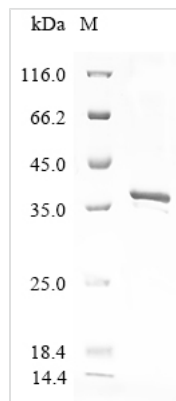




Recombinant Rift valley fever virus Non-structural protein S (NSS)

Product Code	CSB-EP325136REV
Abbreviation	Recombinant Rift valley fever virus NSS protein
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.	P21698
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Rift valley fever virus (strain ZH-548 M12) (RVFV)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MDYFPVISVDLQSGRRVVSVEYFRGDGPPRIPYSMVGPCCVFLMHHRPSHEV RLRFSDFYNVGEFPYRVGLGDFASNVAPPPAKPFQRLIDLIGHMTLSDFTRFP NLKEAISWPLGEPSLAFFDLSSSTRVHRNDDIRRDQIATLAMRSCKITNDLEDSF AGLHRMIATEAILRGIDLCLLPGFDLMEVAHVQCVRLQLAAKEDISNAVVPNS ALIVLMEESLMLRSSLPSMMGRNNWIPVIPPIPDVEMESEEESDDDGFEVD
Research Area	Others
Source	E.coli
Target Names	NSS
Expression Region	1-265aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	37.3 kDa
Protein Length	Full Length
Image	



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

Description

The process of synthesizing the recombinant Rift valley fever virus (strain ZH-548 M12) NSS protein includes transfecting e.coli cells with a DNA expression vector containing the gene for the desired protein (1-265aa). Subsequently, the cells are cultured to induce the expression of the intended protein. The protein is fused with a N-terminal 10xHis tag and C-terminal Myc tag. The recombinant Rift valley fever virus (strain ZH-548 M12) NSS protein is then collected and purified from the cell lysate through affinity purification. It exhibits a purity exceeding 85%, as verified by SDS-PAGE.

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.