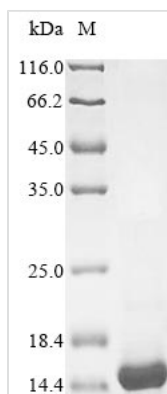




Recombinant Nostoc ellipsosporum Cyanovirin-N

Product Code	CSB-EP305860NHP
Relevance	Its activity in situ is unknown, however it acts as a viral entry inhibitor, inhibiting HIV-1, HIV-2 and simian immunodeficiency virus (and some other viruses such as feline immunodeficiency virus, measles virus and human herpesvirus) infection and replication. It prevents essential interactions between the envelope glycoprotein and target cell receptors by binding to carbohydrates on viral protein gp120 and possibly by other mechanisms as well. Addition to cells must occur before or shortly after virus addition. It also inhibits cell-to-cell fusion, and virus-to-cell and cell-to-cell transmission of a viral infection. Is remarkably stabile; the protein can withstand multiple freeze-thaw cycles, dissolution in organic solvents, treatment with salt, detergent, H2O2 and boiling without significant loss of anti-HIV activity.
Abbreviation	Recombinant Nostoc ellipsosporum Cyanovirin-N 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.	P81180
Product Type	Recombinant Protein
Immunogen Species	Nostoc ellipsosporum
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	LGKFSQTCYNsAIQGSVLTSTCERTNGGYNTSSIDLNSVIENVDGSLKWQPSN FIETCRNTQLAGSSELA AECKTRAQQFVSTKINLDDHIANIDGTLKYE
Research Area	Others
Source	E.coli
Protein Names	Recommended name: Cyanovirin-N Short name= CV-N
Expression Region	1-101aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	15.0 kDa
Protein Length	Full Length
Image	



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

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.