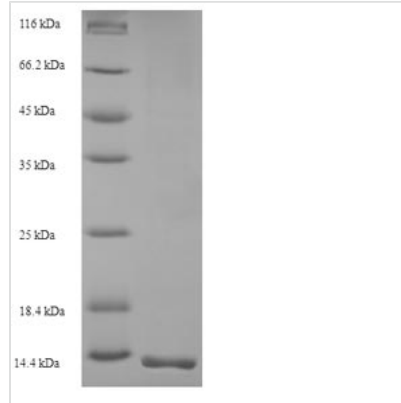


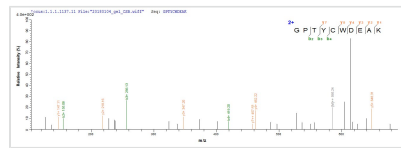


# Recombinant Scytonema varium Scytovirin

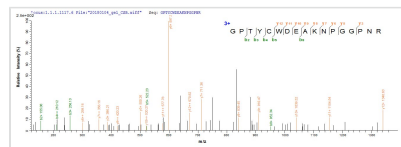
<b>Product Code</b>	CSB-YP308458SEH
<b>Relevance</b>	Has strong anti-HIV activity against T-tropic strains of HIV-1 and weaker activity against M-tropic strains of HIV-1. Inhibits HIV-1 fusion and infection of CD4 LTR beta-gal cells in vitro. Inhibits fusion of HIV infected C-SS cells with uninfected C-SS cells, and fusion of HIV-1 Env expressing HL2/3 cells with CD4 LTR beta-gal cells. Binds to HIV gp120, HIV gp160 and to a lesser extent HIV gp41. Binding to HIV gp120 is glycosylation dependent. Binds with high specificity to the tetrasaccharide Man-alpha-1,2-Man-alpha-1,6-Man-alpha-1,6-Man and also binds the higher-order oligosaccharides oligomannose 8 and oligomannose 9. Does not bind to monosaccharides, complex or hybrid N-linked oligosaccharides or chitin.
<b>Abbreviation</b>	Recombinant Scytonema varium Scytovirin protein
<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>	P86041
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Scytonema varium
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	GSGPTYCWNEANNPGGPNRCSNNKQCDGARTCSSSGFCQGTSRKPDGPK GPTYCWDEAKNPGGPNRCSNSKQCDGARTCSSSGFCQGTAGHAAA
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Protein Names</b>	Recommended name: Scytovirin Short name= SVN
<b>Expression Region</b>	1-95aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	11.7kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP308458SEH could indicate that this peptide derived from Yeast-expressed *Scytonema varium* N/A.



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## 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

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