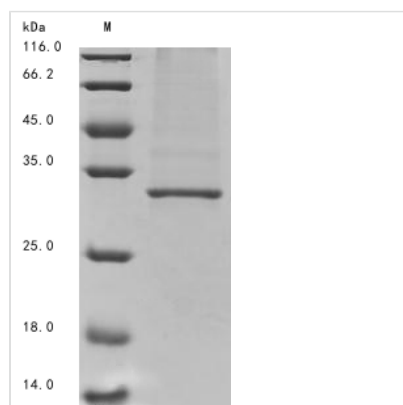




Recombinant Zaire ebolavirus Membrane-associated protein VP24 (VP24)

Product Code	CSB-BP522532ZAS
Abbreviation	Recombinant Zaire ebolavirus VP24 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.	O11459
Product Type	Recombinant Proteins
Immunogen Species	Zaire ebolavirus (strain Gabon-94) (ZEBOV) (Zaire Ebola virus)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAKATGRYNLISPKKDLEKGVVLSDLNLFVSQTIQGWKVYWAGIEFDVTHKG MALLHRLKTNDFAPAWSMTRNLFPHLFQNPNSTIESPLWALRVILAAGIQDQLI DQSLIEPLAGALGLISDWLLTTNTNHFNMRTQRVKEQLSLKMLSLIRSNILKFIN KLDALHVVNYNGLLSSIEIGTQNHTIITRTNMGFLVELQEPDKSAMNRKKPGPA KFSLLHESTLKAFTQGSSTRMQSLILEFNSSLAI
Research Area	Others
Source	Baculovirus
Target Names	VP24
Protein Names	Recommended name: Membrane-associated protein VP24
Expression Region	1-251aa
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	32.1
Protein Length	Full Length

Image



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



Description

The gene responsible for the Zaire ebolavirus (strain Gabon-94) VP24 protein (1-251aa) is cloned into a plasmid vector to obtain recombinant plasmid, which is then transformed into baculovirus cells. baculovirus cells demonstrating successful uptake of the recombinant plasmid are selected based on their ability to endure a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. Post-expression, affinity purification is employed to isolate and purify the recombinant Zaire ebolavirus (strain Gabon-94) VP24 protein from the cell lysate. The resulting recombinant protein is subjected to denaturing SDS-PAGE, allowing for an estimation of its purity, surpassing 85%.

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.