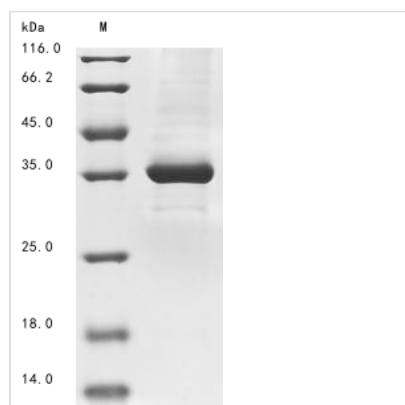




# Recombinant Zaire ebolavirus Super small secreted glycoprotein (GP)

<b>Product Code</b>	CSB-BP314099ZAT
<b>Abbreviation</b>	Recombinant Zaire ebolavirus GP 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>	P0C773
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Zaire ebolavirus (strain Kikwit-95) (ZEBOV) (Zaire Ebola virus)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	IPLGVIHNSTLQVSDVDKLVCRDKLSSTNQLRSVGLNLEGNGVATDVPSATKR WGFRSGVPPKVVNYEAGEWAENCYNLEIKKPDGSECLPAAPDGIRGFPRCRY VHKVSGTGPCAGDFAFHKEGAFFLYDRLASTVIYRGTTFAEGVVAFLILPQAKK DFFSSHPLREPVNATEDPSSGYYSTTIRYQATGFGTNETEYLFVVDNLTYVQL ESRFTPQFLQLNETIYTSGKRSNTTGKLIWKVNPEIDTTIGEWAFWETKKKPH
<b>Research Area</b>	Signal Transduction
<b>Source</b>	Baculovirus
<b>Target Names</b>	GP
<b>Protein Names</b>	Recommended name: Super small secreted glycoprotein Short name= SsGP
<b>Expression Region</b>	33-298aa
<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 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	33.5
<b>Protein Length</b>	Full Length of Mature Protein

## Image



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



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## Description

The gene responsible for the Zaire ebolavirus (strain Kikwit-95) SsGP protein (33-298aa) 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 Kikwit-95) SsGP protein from the cell lysate. The resulting recombinant protein is subjected to denaturing SDS-PAGE, allowing for an estimation of its purity, surpassing 85%.

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## Shelf Life

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