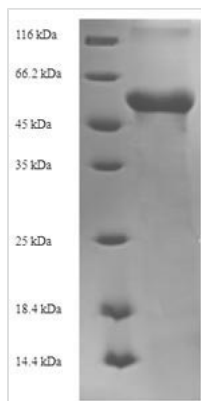




# Recombinant Zaire ebolavirus Matrix protein VP40 (VP40)

<b>Product Code</b>	CSB-EP762349ZAT
<b>Relevance</b>	Promotes virus assembly and budding by interacting with host proteins of the multivesicular body pathway. May facilitate virus budding by interacting with the nucleocapsid and the plasma membrane. Specific interactions with membrane-associated GP and VP24 during the budding process may also occur. The hexamer form seems to be involved in budding. The octamer form binds RNA, and may play a role in genome replication.
<b>Abbreviation</b>	Recombinant Zaire ebolavirus VP40 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>	Q77DJ6
<b>Alias</b>	Membrane-associated protein VP40
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Zaire ebolavirus (strain Kikwit-95) (ZEBOV) (Zaire Ebola virus)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MRRVILPTAPPEYMEAIYPVRSNSTIARGGNSNTGFLTPESVNGDTPSNPLRPI ADDTIDHASHTPGSVSSAFIEAMVNVISGPKVLMKQIPIWLPLGVADQKTYSF DSTTAAIMLASYTITHFGKATNPLVRVNRLLGPGIPDHPLRLLRIGNQAFLQEFVL PPVQLPQYFTFDLTALKLITQPLPAATWTDDTPTGSNGALRPGISFHPKLRPILL PNKSGKKGNSADLTSPEKIQAIMTSLQDFKIVPIDPTKNIMGIEVPETLVHKLGTG KKVTSKNGQPIIPVLLPKYIGLDPVAPGDLTMVITQDCDCHSPASLPAVIEK
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	VP40
<b>Expression Region</b>	1-326AA
<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-SUMO-tagged
<b>Mol. Weight</b>	51.2kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(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.