

Ebola Virus VP40 Recombinant Protein

Ebola Virus VP40 protein

CATALOG # AAA224577	HOST E. coli	APPLICATIONS SDS-Page, Western Blot, ELISA, Lateral Flow
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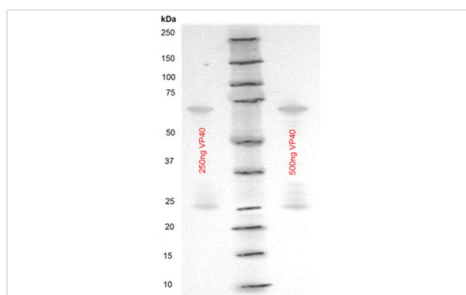
PRODUCT SYNONYMS

Ebola Virus VP40; Ebola Virus VP40 protein; Recombinant Ebola Virus VP40 protein; Ebola Virus VP40 Matrix protein; Ebola VP40 protein; Ebola Zaire protein; Ebola Virus VP40 recombinant protein

PRODUCT SPECIFICATIONS

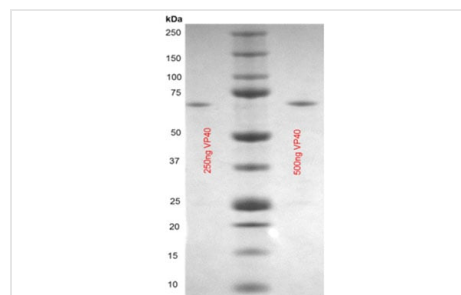
Host	E. coli
Purity/Purification	> 90% pure Purified using proprietary chromatographic techniques
Form/Format	Liquid in 50mM Tris pH 8.5, with 150mM NaCl, 10% glycerol, 1mM EDTA and 2mM DTT.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for Ebola Virus VP40 recombinant protein	SDS-PAGE, WB (Western Blot), ELISA, LF (Lateral Flow)
Grade	Recombinant
Species	Viral
Residues	1-326aa of Ebola VP40 protein with N-terminal Hexahistidine and GST tags. Zaire strain, Accession No. AHX24648.
Tag/Conjugate	His-GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Upon receipt, aliquot and store at -70 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



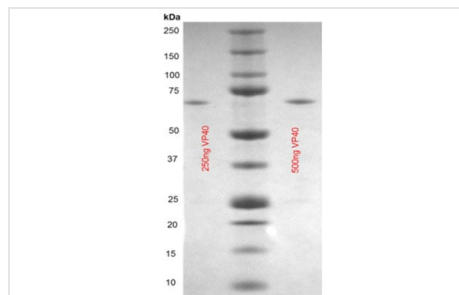
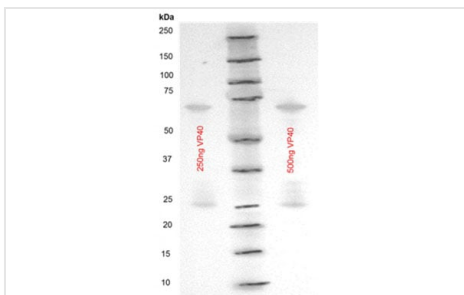
WB (Western Blot)

250 ng (left lane) and 500 ng (right lane) were resolved on an SDS-PAGE and transferred to nitrocellulose membrane. The blot was probed with an anti-his antibody. A strong band of approximately 68 kDa was observed, along with a weaker band of approximately 25 kDa which represents an insignificant amount of degradation product.



SDS_PAGE

Left lane: 250 ng VP40 protein; Middle lane: Molecular weight marker; Right lane: 500 ng VP40 protein. Expected molecular weight of 68 kDa.

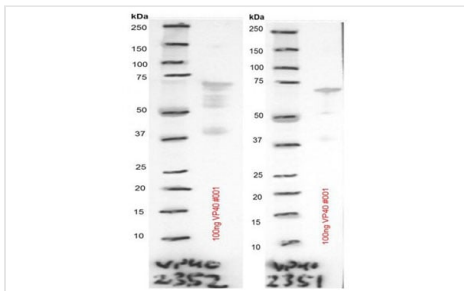


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SDS-PAGE

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WB (Western Blot)

100 ng of Ebola Virus VP40 protein (AAA224577) was loaded, antibody dilution was 1:3000

ADDITIONAL INFORMATION

Related Product Information for Ebola Virus VP40 recombinant protein

The Ebola VP40 protein is a viral matrix protein. VP40 coordinates numerous functions in the viral life cycle of the Ebola virus such as, regulation of viral transcription, morphogenesis, and packaging and budding of mature virions. The VP40 monomer consists of two protein domains, the N-terminal oligomerization domain and the C-terminal membrane-binding domain, connected by a flexible linker. Study of the matrix protein VP40 is important due to the high mortality rate of the Ebola virus, which is listed as a WHO Risk Group 4 Pathogen, an HHS Select Agent, an NIH/NIAID Category A Priority Pathogen, a CDC Category A Bioterrorism Agent, and a Biological Agent for Export Control by the Australia Group.

Product Categories/Family for Ebola Virus VP40 recombinant protein

Infectious Disease

NCBI AND UNIPROT INFORMATION

Molecular Weight

68 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ebola-virus-vp40-recombinant-protein-e-coli-sds-page-wb-western-blot-elisa-lf-lateral-flow/224577>