

Recombinant Zaire ebolavirus VP40 Protein (N31-K326)

Cat. No. VP40-1437Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zaire ebolavirus GG-VP40(N31-K326 end) (H269L) protein without tag was expressed in E. coli
Species	Zaire Ebola virus
Source	E.coli
ProteinLength	N31-K326
Description	Plays an essential role virus particle assembly and budding. Acts by interacting with viral ribonucleocapsid and host members of the ESCRT (endosomal sorting complex required for transport) system such as host VPS4, PDCD6IP/ALIX, NEDD4 or TGS101. The interaction with host E3 ubiquitin ligase SMURF2 also facilitates virus budding. May play a role in immune cell dysfunction by being packaged into exosomes that can decrease the viability of recipient cells (via RNAi suppression and exosome-bystander apoptosis).
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	VP40 matrix protein [Zaire ebolavirus]
Official Symbol	VP40
Synonyms	VP40; matrix protein; matrix protein
Gene ID	911825
Protein Refseq	NP_066245
UniProt ID	Q05128

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