

Recombinant Zaire Ebolavirus VP35 Protein (1-340 aa), His-Myc-tagged

Cat. No. VP35-2295Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zaire Ebolavirus (strain Kikwit-95) (ZEBOV) (Zaire Ebola virus) VP35 Protein (1-340 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.
Species	Zaire Ebola virus
Source	E.coli
ProteinLength	1-340 aa
Description	Acts as a polymerase cofactor in the RNA polymerase transcription and replication complex. Prevents establishment of cellular antiviral state by blocking virus-induced phosphorylation and activation of interferon regulatory factor 3 (IRF3), a transcription factor critical for the induction of interferons alpha and beta. This blockage is produced through the interaction with and inhibition host IKBKE and TBK1 producing a strong inhibition of the phosphorylation and activation of IRF3. Also inhibits the antiviral effect mediated by the interferon-induced, double-stranded RNA-activated protein kinase EIF2AK2/PKR.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	42.4 kDa

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AA Sequence	MTTRTKGRGHTAATTQNDRMGPPELSGWISEQLMTGRIPVSDIFCDIENNPGLCYA SQMQQTKPNPKTRNSQTQTDPICNHSFEEVVQTLASLATVVQQQTIASESLEQRITS LENGLKPVYDMAKTISSLNRVCAEMVAKYDLLVMTTGRATATAAATEAYWAEHGQP PPGPSLYEESAIRGKIESRDETVPQSVREAFNNLDSTTSLTEENFGKPDISAKDLRNI MYDHLPGFGTAFHQLVQVICKLGKDSNSLDIIHAEFQASLAEGDSPQCALIQT KRVPI FQDAAPPVIHIRSRGDIPRACQKSLRPVPPSPKIDRGWVCVFQLQDGKTLGLKI
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

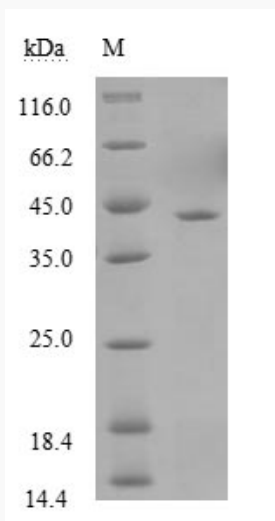
GENE INFORMATION

Gene Name	VP35 polymerase complex protein [Zaire ebolavirus]
Official Symbol	VP35
Synonyms	VP35;
Gene ID	911827
UniProt ID	Q6V1Q9

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

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