

Recombinant Influenza A virus PA Protein (M1-R716)

Cat. No. PA-1538I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus RdRp(M1-R716 end) protein without tag was expressed in Insect cell
Species	Influenza A virus
Source	Insect Cells
ProteinLength	M1-R716
Description	Plays an essential role in viral RNA transcription and replication by forming the heterotrimeric polymerase complex together with PB1 and PB2 subunits. The complex transcribes viral mRNAs by using a unique mechanism called cap-snatching. It consists in the hijacking and cleavage of host capped pre-mRNAs. These short capped RNAs are then used as primers for viral mRNAs. The PB2 subunit is responsible for the binding of the 5' cap of cellular pre-mRNAs which are subsequently cleaved after 10-13 nucleotides by the PA subunit that carries the endonuclease activity.
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

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	centigrade
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	
Official Symbol	PA
Synonyms	Polymerase acidic protein; PA; Polymerase acidic protein Automatic Annotation; EC:3.1.-.-; RNA-directed RNA polymerase subunit P2
UniProt ID	G7WZE3

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