

Influenza A virus Polymerase acidic protein (PA) Recombinant Protein | PA recombinant protein

Recombinant Influenza A virus Polymerase acidic protein (PA), partial

CATALOG # AAA235213	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Influenza A virus Polymerase acidic protein (PA); Recombinant Influenza A virus Polymerase acidic protein (PA); partial; RNA-directed RNA polymerase subunit P2; PA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-209aa; partial
Sequence	MEDFVRQCFN PMIVELAEKA MKEYGEDLVK ETNKFAAICT HLEVCFMYSDFHFINEQGESIIVELGDPNAL LLKHFIEIGRDRMTAWTI VNSICNTTGA EKPKFLPDLY DYKENRFIEI GVTRREVHIY YLEKANKIKS EKTHIHFSF TGEEMATKAD YTLDEESRAR IKTRLFTIRQ EMASRGLWDS FRQSERGEET IEEERFEITG
Organism	Influenza A virus (strain A/USA:Huston/AA/1945 H1N1)
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for PA recombinant protein	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.
References	"The NIAID influenza genome sequencing project." Ghedin E., Spiro D., Miller N., Zaborsky J., Feldblyum T., Subbu V., Shumway M., Sparenborg J., Groveman L., Halpin R., Sitz J., Koo H., Salzberg S.L., Webster R.G., Hoffmann E., Krauss S., Naeve C., Bao Y.Tatusova T.Submitted (APR-2007) to the EMBL/GenBank/DDBJ databases

NCBI AND UNIPROT INFORMATION

NCBI GI #	229891345
UniProt Accession #	A4U6V9
Molecular Weight	26.6 kDa
NCBI Official Full Name	Polymerase acidic protein
UniProt Protein Name	Polymerase acidic protein

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://stage.aaabiotech.com/pa-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/235213>