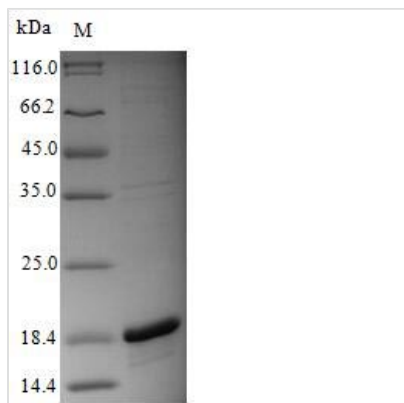


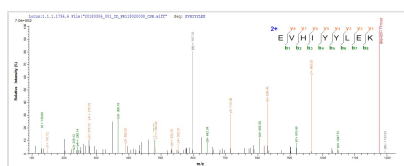


# Recombinant Influenza A virus Polymerase acidic protein (PA), partial

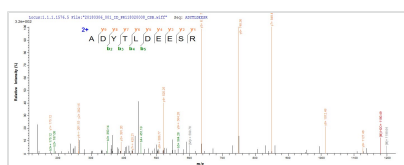
<b>Product Code</b>	CSB-EP881268IIO
<b>Relevance</b>	Plays an essential role in viral RNA transcription and replication by forming the heterotrimeric polymerase complex together with PB1 and PB2 subunits. The complex transcribes viral mRNAs by using a unique mechanism called cap-snatching. It consists 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.
<b>Abbreviation</b>	Recombinant Influenza A virus Polymerase acidic protein, partial
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9IQ47
<b>Alias</b>	RNA-directed RNA polymerase subunit P2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Influenza A virus (strain A/x-31 H3N2)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	RREVHIYYLEKANKIKSEKTHIHIFSFTGEEMATKADYTLDEESRARIKTRLFTIR QEMASRGLWDSFRQSERGEETIEERFEITGTMRKLDQSLPPNFSSLENFRAY VDGFEPNGYIEGKLS
<b>Research Area</b>	others
<b>Source</b>	E.coli
<b>Target Names</b>	PA
<b>Protein Names</b>	Recommended name: Polymerase acidic protein Alternative name(s): RNA-directed RNA polymerase subunit P2
<b>Expression Region</b>	124-247aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	18.6kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP881268IIO could indicate that this peptide derived from E.coli-expressed Influenza A virus (strain A/x-31 H3N2) PA.



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### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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