

Product datasheet

Recombinant Influenza A Influenza A Virus Nucleoprotein (His tag) ab224859

3 Images

Description

Product name Recombinant Influenza A Influenza A Virus Nucleoprotein (His tag)

Purity > 90 % SDS-PAGE.

Expression system Escherichia coli

Accession [P69291](#)

Protein length Full length protein

Animal free No

Nature Recombinant

Species Influenza A

Sequence

```
MASQGTKRSYEQMETDGERQNATEIRASVGKMGIDGIGRFYI
QMCTELKLS
DYEGRLIQNSLTVERMVLSAFDERRNRYLEEHPGKDPK
KTGGPIYKRV
GGRWMRELVLVDKKEIRRIWRQANNGDDATRGLTHMMW
HSNLNDTTYQR
TRALVRTGMDPRMCSLMQGSTLPRRSGAAGA AVKIGITM
VMELIRMIKRG
INDRNFWRGENGRKTRSA YERM CNILKGKFQTA AQRAMM
DQVRESRNPNGN
AEIEDLIFSARSALILRGSVAHKSCLPACVYGPVSSGYDF
EKEGYSLVG
IDPFKLLQNSQVYSLIRPNENPAHKSQLVVMACHSAAFED
LRLLSFIRGT
KVSPRGKLSTRGVQIASNENMDNMESSTLELRSRYWAIRT
RSGGNTNQQR
ASAGQISVQPTFSVQRNLPFEKSTVMAAFTGNTGRTSD
MRAEIIRMMEG
AKPEEVSFRRGRGVFELSDEKATNPVPSFDMSNEGSYFF
GDNAEEYDN
```

Predicted molecular weight 72 kDa including tags

Amino acids 1 to 498

Tags His tag N-Terminus

Additional sequence information 6xHis-SUMO tag at N-terminus.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab224859** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	LC-MS/MS
Form	Liquid

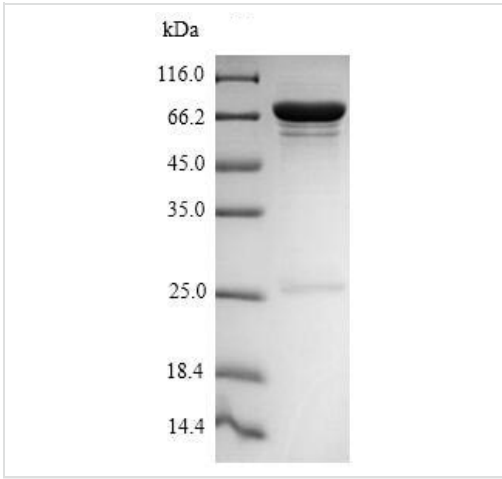
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer
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General Info

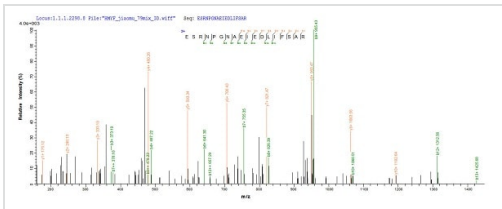
Relevance	The nucleoprotein (NP) of Influenza virus encapsulates the negative strand of the viral RNA and is essential for replicative transcription. It may also be involved in other essential functions throughout the virus life cycle. As well as binding ssRNA, NP is able to self associate to form large oligomeric complexes. NP is able to interact with a variety of other macromolecules of both viral and cellular origins. It binds the PB1 and PB2 subunits of the polymerase and the matrix protein M1. "NP has also been shown to interact with at least four cellular polypeptide families: nuclear import receptors of the importin class, filamentous (F) actin, the nuclear export receptor CRM1 and a DEAD box helicase BAT1/UAP56" (Portela et al 2002).
Cellular localization	Host cell nucleus

Images



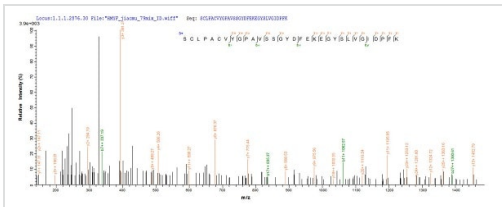
SDS-PAGE - Recombinant Influenza A Influenza A Virus Nucleoprotein (His tag) (ab224859)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab224859 with 5% enrichment gel and 15% separation gel.



Mass Spectrometry - Recombinant Influenza A Influenza A Virus Nucleoprotein (His tag) (ab224859)

Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS analysis result of ab224859 could indicate that this peptide derived from E.coli-expressed Influenza A virus (strain A/Beijing/353/1989 H3N2) Nucleoprotein.



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