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

3 Images

## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant Influenza A Influenza A Virus Nucleoprotein (His tag)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
</tbody>
</table>

## Description

<table>
<thead>
<tr>
<th>Nature</th>
<th>Recombinant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Amino Acid Sequence</td>
<td>P69291</td>
</tr>
<tr>
<td>Species</td>
<td>Influenza A</td>
</tr>
</tbody>
</table>

**Sequence**

```
MASQGTKRSEYQMETDGERQNATEIRASVGKMDIGG
RFYQMCTELKLSDYEGRQIONSSTVEVMVLSAFDERRNRYLEEHPASAGKDPKKTGGPMKRYGGRWMRELTYDKEEEIRRIWRQANNGDDATRGLTHMIWHSNLNDTYYQRTRALVRTGMDPRMCSLMQGSTLPRRSGAGGAAAVKGIGTMVMELIRMIKRGINDRNFWRGENGRKTRSAKERTMCNILGKFGTAAQRA
MMDQVRESRNPGN
AEEFLIFSAHSARSLRGSVAKSCLPAVCVGPAPSSGFDEKEGYSLVTDPFKLLQNSQVSLIRPNENPAHKSQVWMACHSAAFEDLRLSFIIRGTK
KVSPRGLSKSTRGQASNENMDNMRSTELRLSRYWAIIRTRSGNTNQQRASAGQSVQPTFSVQRNLPEKSTVMAAFTGNTEGRSTDMRAEIRMMEG
AKPEEVSFGRGRGVFELSDEKATNPVPSFDMSNEGYY
FFGDNAAEYYDN
```

<table>
<thead>
<tr>
<th>Molecular weight</th>
<th>72 kDa including tags</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amino acids</td>
<td>1 to 498</td>
</tr>
</tbody>
</table>
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

Purity
> 90% SDS-PAGE.

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, Tris buffer

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
Discontinuous SDS-PAGE (reduced) analysis of ab224859 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 ab224859 could indicate that this peptide derived from E.coli-expressed Influenza A virus (strain A/Beijing/353/1989 H3N2) Nucleoprotein.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards
If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors