

## Product datasheet

# Recombinant Human NAGPA protein ab162442

1 Image

### Overview

<b>Product name</b>	Recombinant Human NAGPA protein
<b>Protein length</b>	Protein fragment

### Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Sequence</b>	DNMWRCPRQVSTVVCVHEPRCQPPDCHGHGTCVDG HCQCTGHFWRGPGCD ELDCGPSNCSQHGLCTETGCRCDAGWTGSNCSEEC PLGWHGPGCQRPKC
<b>Amino acids</b>	309 to 408
<b>Tags</b>	GST tag N-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab162442** in the following tested applications.

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

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml.

### Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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## General Info

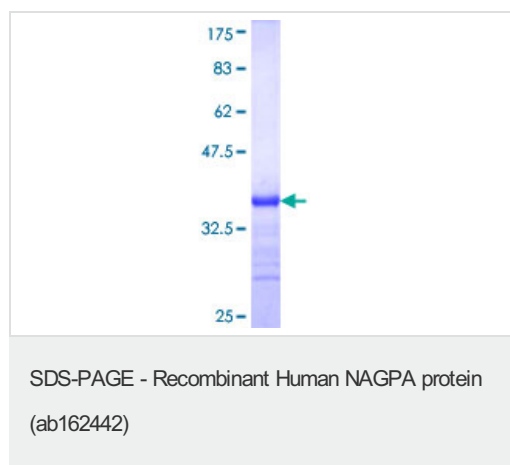
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<b>Function</b>	Catalyzes the second step in the formation of the mannose 6-phosphate targeting signal on lysosomal enzyme oligosaccharides by removing GlcNAc residues from GlcNAc-alpha-P-mannose moieties, which are formed in the first step.
<b>Tissue specificity</b>	Isoform 2 may be brain-specific.
<b>Pathway</b>	Protein modification; protein glycosylation.
<b>Sequence similarities</b>	Contains 1 EGF-like domain.
<b>Domain</b>	<p>The tyrosine-based internalization signal may be essential for its retrieval from the plasma membrane to the TGN.</p> <p>The C-terminal NPFKD sequence is an attractive candidate for either an endocytosis signal acting at the plasma membrane or a retrieval signal acting at the TGN to return the enzyme to the cis/medial-Golgi.</p>
<b>Cellular localization</b>	Golgi apparatus > Golgi stack membrane. Cis/medial Golgi.

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## Images

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ab162442 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**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

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- Replacement or refund for products not performing as stated on the datasheet
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