

## Product datasheet

# Recombinant Human IMPA2 protein ab104020

1 Image

### Description

<b>Product name</b>	Recombinant Human IMPA2 protein
<b>Purity</b>	> 95 % SDS-PAGE. Purified using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>O14732</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHH SSGLVPRGSH</b> MKPSGEDQAA LAAGPWEECF QAAVQLALRA GQIIRKALTE EKRVSTKTS AADLVTTEDHL VEDLIISLR ERFPSHRFIA EAAAASGAKC VLTHSPTWII DPIDGTCNFV HRFPTVAVSI GFAVRQELEF GVIYHCTEER LYTGRRRGRGA FCNGQRLRVS GETDLKALV LTEIGPKRDP ATLKLFLSNM ERLHAKAHG VRVIGSSTLA LCHLASGAAD AYYQFGLHCW DLAAATVIIR EAGGVIDTS GGPLDLMACR VVAASTREMA MLIAQALQTI NYGRDDEK
<b>Predicted molecular weight</b>	34 kDa including tags
<b>Amino acids</b>	1 to 288
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab104020** 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>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0308% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

## General Info

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### Function

Can use myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates. Has been implicated as the pharmacological target for lithium Li(+) action in brain.

### Pathway

Polyol metabolism; myo-inositol biosynthesis; myo-inositol from D-glucose 6-phosphate: step 2/2.

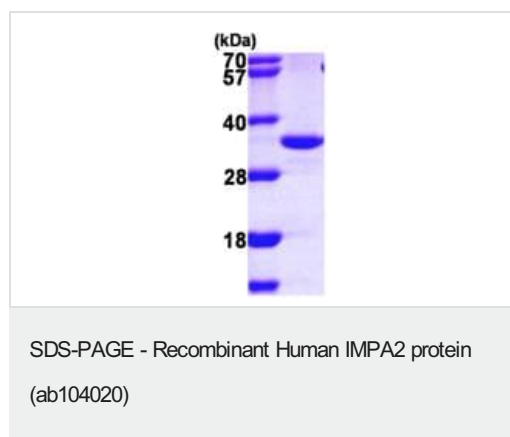
### Sequence similarities

Belongs to the inositol monophosphatase family.

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## Images

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15% SDS-PAGE analysis of ab104020 (3 µg).

**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
- 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
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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.

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