

## Product datasheet

# Recombinant Human MRGX protein ab105615

1 Image

### Description

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<b>Product name</b>	Recombinant Human MRGX protein
<b>Purity</b>	> 85 % SDS-PAGE. Purified using conventional chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q15014</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>	MSSRKQGSQP RGQQAEEEN FKKPTRSNMQ RSKMRGASSG KKTAGPQQKN LEPALPGRWG GRSAENPPSG SVRKTRKNKQ KTPGNGDGGS TSEAPQPPRK KRARADPTVE SEEAFKNRME VKVKIPEELK PWLVEDWDLV TRQKQLFQLP AKKNVDAILE EYANCKKSQG NVDNKEYAVN EVVAGIKEYF NVMLGTQLLY KFERPQYAEI LLAHPDAPMS QVYGAPHLR LFVRIGAMLA YTPLDEKSLA LLLGYLHDFL KYLAKNSASL FTASDYKVAS AEYHRKAL
<b>Predicted molecular weight</b>	34 kDa
<b>Amino acids</b>	1 to 288
<b>Tags</b>	His tag N-Terminus

### Specifications

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Our **Abpromise guarantee** covers the use of **ab105615** 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: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine)

## General Info

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### Function

Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones.

### Sequence similarities

Belongs to the MRG family.

### Cellular localization

Nucleus.

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## Images

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3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

**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
- We investigate all quality concerns to ensure our products perform to the highest standards

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