abcam

Product datasheet

Recombinant Human MRG15 protein ab124555

1 Image

Description

Product name	Recombinant Human MRG15 protein
Purity	> 85 % SDS-PAGE. Purified by using conventional chromatography.
Expression system	Escherichia coli
Accession	**Q9UBU8**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAPKQD PKPKFQEGER VLCFHGPLLY EAKCVKVAIK DKQVKYFIHY SGWNKNWDEW VPESRVLKYV DTNLQKQREL QKANQEQYAE GKMRGAAPGK KTSGLQQKNV EVKTKKNKQK TPGNGDGGST SETPQPPRKK RARVDPTVEN EETFMNRVEV KVKIPEELKP WLVDDWDLIT RQKQLFYLPA KKNVDSILED YANYKKSRGN TDNKEYAVNE VVAGIKEYFN VMLGTQLLYK FERPQYAEIL ADHPDAPMSQ VYGAPHLLRL FVRIGAMLAY TPLDEKSLAL LLNYLHDFLK YLAKNSATLF SASDYEVAPP EYHRKAV
Predicted molecular weight	40 kDa including tags
Amino acids	1 to 323
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab124555** in the following tested applications.

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

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF

Form	Liquid

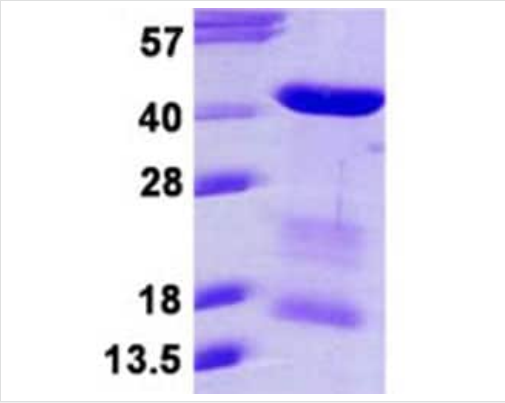
Preparation and Storage

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: 0.02% DTT, 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones 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. Required for homologous recombination repair (HRR) and resistance to mitomycin C (MMC). Involved in the localization of PALB2, BRCA2 and RAD51, but not BRCA1, to DNA-damage foci.
Sequence similarities	Belongs to the MRG family.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human MRG15 protein (ab124555)

15% SDS-PAGE analysis of ab124555 (3µg)

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- 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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