

Product datasheet

Recombinant Human MASA protein ab105128

1 Image

Description

Product name	Recombinant Human MASA protein
Purity	> 90 % SDS-PAGE. ab105128 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9UHY7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMVVLSVPAEVTVILLDIEG TTPIAFVKDI LFPYIEENVKEYLQTHWEEEECCQQDVSLLRKQAEEDAHL DGAVPIPAASG NGVDDLQQMIQAVVDNVCWQMSLDRKTTALKQLQGHMW RAAFTAGRMAE FFADVVPVAVRKWREAGMKVYIYSSGSVEAQKLLFGHSTE GDILELVDGHF DTKIGHKVESESyrkiADSIGCSTNNILFLTDVTREASAAEE ADVHVAVV VRPGNAGLTDDEKTYSLITSFSELVLPSS
Predicted molecular weight	31 kDa including tags
Amino acids	1 to 261
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab105128** 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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Bifunctional enzyme that catalyzes the enolization of 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P) into the intermediate 2-hydroxy-3-keto-5-methylthiopentyl-1-phosphate (HK-MTPenyl-1-P), which is then dephosphorylated to form the acireductone 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene).

Pathway

Amino-acid biosynthesis; L-methionine biosynthesis via salvage pathway; L-methionine from S-methyl-5-thio-alpha-D-ribose 1-phosphate: step 3/6.

Amino-acid biosynthesis; L-methionine biosynthesis via salvage pathway; L-methionine from S-methyl-5-thio-alpha-D-ribose 1-phosphate: step 4/6.

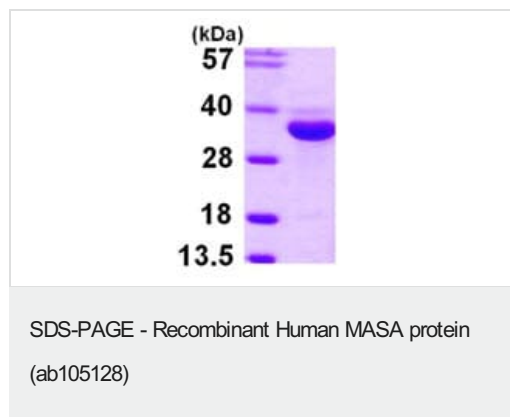
Sequence similarities

Belongs to the HAD-like hydrolase superfamily. MasA/MtnC family.

Cellular localization

Cytoplasm. Nucleus.

Images



15% SDS-PAGE showing ab105128 at approximately 31kDa (3µg).

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

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