

Product datasheet

Recombinant Human MASA protein ab125778

Overview

Product name	Recombinant Human MASA protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	Q9UHY7
Species	Human
Sequence	<p>MGSSHHHHHH SSGLVPRGSH MVVLSVPAEV TVILLDIEGT TTPIAFVKDI LFPYIEENVK EYLQTHWEEE ECQQDVSLLR KQAEEDAHL D GAVPIPAASG NGVDDLQQMI QAVVDNVCWQ MSLDRKTTAL KQLQGHMWRA AFTAGRMKAE FFADVPAVR KWREAGMKVY YSSGSVEAQ KLLFGHSTEG DILELVDGHF DTKIGHKVES ESYRKIADSI GCSTNNILFL TDVTREASAA EEADVHVAVV VRPGNAGLTD DEKTYSLIT SFSELYLPSS T</p>
Molecular weight	31 kDa including tags
Amino acids	1 to 261
Tags	His tag N-Terminus
Additional sequence information	ENOPH1 Human Recombinant fused with a20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 281 amino acids (1-261 a.a.).

Specifications

Our [Abpromise guarantee](#) covers the use of **ab125778** 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
Purity	> 90 % SDS-PAGE. ab125778 was purified by proprietary chromatographic techniques and filter sterilized.
Form	Liquid

Additional notes For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C. Store under desiccating conditions.
pH: 8.00
Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol, 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.

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

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