

Recombinant Human ENOPH1, His-tagged

Cat. No. ENOPH1-29130TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MASA (amino acids 1-261) with an N terminal His tag; 281aa, Molecular Weight: 31kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	261 amino acids
Conjugation	HIS
Molecular Weight	31.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMVLSPAEVTVILLDIEGTTTPIAFVKDILFPYIEENV KEYLQTHWEEEEECQQDVSLLRKQAEEDAHLDGAVPIPAASGNGVDDLQQMIQAVV

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DNVCWQMSLDRKTTALKQLQGHMWRAAFTAGRMKAEFFADVVPVRKWREAGM
KVYIYSSGSVEAQKLLFGHSTEGDILELVDGHFDTKIGHKVESESYRKIADSIGCSTN
NILFLTDVTREASAAEEADVHVAVVVRPGNAGLTDDEKTYYSLITSFSELYLPSST

**Sequence
Similarities**

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

GENE INFORMATION

Gene Name [ENOPH1 enolase-phosphatase 1 \[Homo sapiens \]](#)

Official Symbol [ENOPH1](#)

Synonyms ENOPH1; enolase-phosphatase 1; enolase-phosphatase E1; acireductone synthase; E1; Enolase phosphatase E1; MASA;

Gene ID [58478](#)

mRNA Refseq [NM_021204](#)

Protein Refseq [NP_067027](#)

Uniprot ID [Q9UHY7](#)

**Chromosome
Location** 4q21.3

Pathway Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Metabolism of polyamines, organism-specific biosystem;

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Function

2,3-diketo-5-methylthiopentyl-1-phosphate enolase activity; 2-hydroxy-3-keto-5-methylthiopentenyl-1-phosphate phosphatase activity; acireductone synthase activity; acireductone synthase activity; hydrolase activity;

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