
Product Data Sheet

Product Name: ENOPH1 Human
 Cat. No.: GP21603
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Enolase-phosphatase E1; 2;3-diketo-5-methylthio-1-phosphopentane phosphatase; MASA homolog; ENOPH1; MASA; E1; MST145; FLJ12594; DKFZp586M0524.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MVVLSVPAEV TVILLDIEGT TTPIAFVKDI LFPYIEENVK EYLQTHWEEE ECQQDVSLLR KQAEEDAHL D GAVPIPAASG NGVDDLQQMI QAVVDNVCWQ MSLDRKTTAL KQLQGHMWRA AFTAGRMKAE FFADVVP AVR KWREAGMKVY IYSSGSVEAQ KLLFGHSTEG DILELVDGHF DTKIGHKVES ESYRKIADSI GCSTNNILFL TDVTREASAA EEADVHVAVV VRPGNAGLTD DEKTYYSLIT SFSELYLPSS T.		
Formulation	The ENOPH1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.		

Introduction

Enolase-phosphatase E1 (ENOPH1) belongs to the MasA family of the HAD (halo-acid dehalogenase)-like hydrolase superfamily. ENOPH1 is a bifunctional enzyme which demonstrates both phosphatase and atypical enolase activities. ENOPH1 has a significant role in the ubiquitous methionine salvage pathway which is a biochemical pathway found in all organisms that regulate methionine levels in the cell.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ENOPH1 Human Recombinant fused with a20 amino acid His tag at N-terminus produced

Caution: Product has not been fully validated for medical applications. For research use only.

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in E.Coli is a single, non-glycosylated, polypeptide chain containing 281 amino acids (1-261 a.a.) and having a molecular mass of 31kDa. The ENOPH1 is purified by proprietary chromatographic techniques.

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