ENOPH1 Human

Description:ENOPH1 Human Recombinant fused with a 20 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.) and having a molecular mass of 31kDa. The ENOPH1 is purified by proprietary chromatographic techniques.

Catalog #:ENPS-084

For research use only.

Synonyms: Neuron Specific Enolase-phosphatase E1, 2,3-diketo-5-methylthio-1-phosphopentane phosphatase, MASA homolog, ENOPH1, MASA, E1, MST145, FLJ12594, DKFZp586M0524.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MVVLSVPAEV TVILLDIEGT TTPIAFVKDI LFPYIEENVK EYLQTHWEEE ECQQDVSLLR KQAEEDAHLD GAVPIPAASG NGVDDLQQMI QAVVDNVCWQ MSLDRKTTAL KQLQGHMWRA AFTAGRMKAE FFADVVPAVR KWREAGMKVY IYSSGSVEAQ KLLFGHSTEG DILELVDGHF DTKIGHKVES ESYRKIADSI GCSTNNILFL TD

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The ENOPH1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.

Stability:
ENOPH1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Neuron Specific 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 Neuron Specific 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.

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