Recombinant Human ENOPH1 293 Cell Lysate

Cat. No. ENOPH1-6597HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for enolase-phosphatase 1 (ENOPH1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; MASA homolog; 2,3-diketo-5-methylthio-1-phosphopentane phosphatase; MST145; FLJ12594; DKFZp586M0524;
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; Methionine salvage pathway, organism-specific biosystem; Methionine salvage pathway, organism-specific biosystem;
Function	2,3-diketo-5-methylthiopentyl-1-phosphate enolase activity; 2-hydroxy-3-keto-5-

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	methylthiopentenyl-1-phosphate phosphatase activity; acireductone synthase activity; acireductone synthase activity; hydrolase activity; magnesium ion binding; phosphoglycolate phosphatase activity;

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