

Active Recombinant Full Length Human ENO1 Protein, His-tagged

Cat. No. ENO1-2513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENO1;Enolase 1;Alpha-enolase;NNE;PPH;MPB1;glycolytic enzyme;full-length
Species	Human
Source	HEK293
ProteinLength	1-434 aa (full length)
Description	Alpha-enolase (ENO1) is a glycolytic enzyme that catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate. It functions as a homodimer and is one of three enolase isoenzymes in mammals (alpha, beta, gamma). Beyond glycolysis, ENO1 also acts as a structural lens protein (tau-crystallin), a plasminogen receptor, and a transcriptional repressor (MBP-1 isoform) of the c-myc promoter. It plays roles in growth regulation, hypoxia tolerance, allergic responses, and fibrinolysis.
Form	Liquid
Molecular Mass	49 kDa (444 aa including His-tag), calculated
AASequence	HHHHHHHHHMSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEAL LRDNDKTRYMGKGVSKAVEHINKTIAPALVSKKLVTEQEKIDKLMIEMDG TENKSKF GANAILGVSLAVCKAGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLA MQEFMILPVGAANFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENK EGLELLKTAIGKAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADL

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YKSFIKDYPVVSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKS
CNCLLLKVNQIGSVTESLQACKLAQANGWGMVSHRSGETEDTFIADLVVGLCTGQI
KTGAPCRSERLAKYNQLLRIEEEELGSKAKFAGRNFRNPLAK

Endotoxin	<1 EU/g (LAL method)
Purity	>90% (by SDS-PAGE)
Applications	SDS-PAGE, Western Blot, Enzyme Activity
Storage	Store under sterile conditions at -20°C to -80°C; aliquot to avoid repeated freeze-thaw cycles
Concentration	0.46 mg/ml (BCA assay)
EC	4.2.1.11
Storage Buffer	Sterile PBS, pH 7.4

GENE INFORMATION

Gene Name	ENO1
Official Symbol	ENO1
Synonyms	NNE;PPH;MPB1;ENO1L1;HEL-S-17
Gene ID	2023
mRNA Refseq	NM_001428.5

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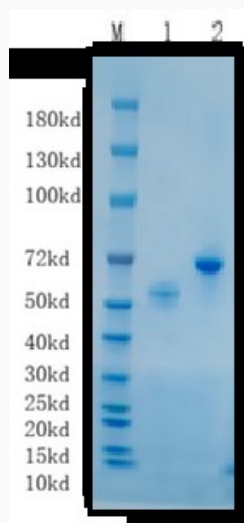
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Protein Refseq NP_001419.1

MIM 172430

UniProt ID P06733

**SDS-PAGE analysis
of ENO1-2513H**



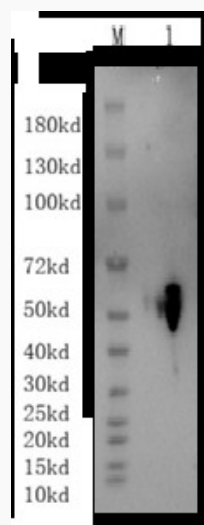
1 g/lane, reducing conditions, 4%-20% SDS-PAGE (Coomassie Blue stained)

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**Western Blot
analysis of ENO1-
2513H**



WB analysis using Anti-His Mouse Monoclonal antibody, 1 μ g/lane

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