

# Recombinant Human ENO1 Full Length protein, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ENO1(1-434aa) fused with His tag at N-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-434aa
<b>Description</b>	This gene encodes one of three enolase isoenzymes found in mammals; it encodes alpha-enolase, a homodimeric soluble enzyme, and also encodes a shorter monomeric structural lens protein, tau-crystallin. The two proteins are made from the same message. The full length protein, the isoenzyme, is found in the cytoplasm. The shorter protein is produced from an alternative translation start, is localized to the nucleus, and has been found to bind to an element in the c-myc promoter. A pseudogene has been identified that is located on the other arm of the same chromosome.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>AA Sequence</b>	SILKIHARE IFDSRGNPTV EVDLFTSKGL FRAAVPSGAS TGIYEALRLR DNDKTRYMGK GVSKAVEHIN KTIAPALVSK KLVNTEQEKI DKLMIEMDGT ENKSKFGANA ILGVSLAVCK AGAVEKGVPL YRHIADLAGN SEVILPVPAF NVINGGSHAG NKLAMQEFMI LPVGAANFRE AMRIGAEVYH NLKNVIKEKY GKDATNVGDE GGFAPNILEN KEGLELLKTA IGKAGYTDKV VIGMDVAASE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FFRSGKYDLD FKSPDDPSRY ISPDQLADLY KSFIKDYPVV SIEDPFDQDD  
 WGAWQKFTAS AGIQVVGDDL TVTNPKRIAK AVNEKSCNCL LLKVNQIGSV  
 TESLQACKLA QANGWGVMS HRSGETEDTF IADLVVGLCT GQIKTGAPCR  
 SERLAKYNQL LRIEEELGSK AKFAGRNRN PLAK

**Purity** >90% ( SDS-PAGE )

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade.

## GENE INFORMATION

**Gene Name** [ENO1 enolase 1, \(alpha\) \[ Homo sapiens \]](#)

**Official Symbol** [ENO1](#)

**Synonyms** ENO1; enolase 1, (alpha); ENO1L1, MPB1; alpha-enolase; c-myc promoter-binding protein-1; MBP 1; PPH; alpha-enolase; enolase-alpha; tau-crystallin; non-neural enolase; alpha enolase like 1; phosphopyruvate hydratase; plasminogen-binding protein; MYC promoter-binding protein 1; 2-phospho-D-glycerate hydro-lyase; NNE; MPB1; ENO1L1;

**Gene ID** [2023](#)

**mRNA Refseq** [NM\\_001201483](#)

**Protein Refseq** [NP\\_001188412](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>MIM</b>	172430
<b>UniProt ID</b>	P06733
<b>Chromosome Location</b>	1p36.2
<b>Pathway</b>	Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem;
<b>Function</b>	DNA binding; lyase activity; magnesium ion binding; phosphopyruvate hydratase activity; protein binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA