

Recombinant Full Length Human ENO1 Protein, C-Flag-tagged

Cat. No. ENO1-30HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ENO1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes alpha-enolase, one of three enolase isoenzymes found in mammals. Each isoenzyme is a homodimer composed of 2 alpha, 2 gamma, or 2 beta subunits, and functions as a glycolytic enzyme. Alpha-enolase in addition, functions as a structural lens protein (tau-crystallin) in the monomeric form. Alternative splicing of this gene results in a shorter isoform that has been shown to bind to the c-myc promoter and function as a tumor suppressor. Several pseudogenes have been identified, including one on the long arm of chromosome 1. Alpha-enolase has also been identified as an autoantigen in Hashimoto encephalopathy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47 kDa
AA Sequence	MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALRLDNDKTRYM GKGVSKAVEHIN KTIAPALVSKKLNVTQEKEIDKLMIMDGTENKSKFGANAILGVSL AVCKAGAVEKGVPLYRHIADLAGN SEVILPVPFNFVINGGSHAGNKLAMQEFMILPV GAANFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDE GGFAPNILENKEGLELLKTA

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IGKAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLY KSFIDY
 PVVSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKV
 NQIGSV TESLQACKLAQANGWGVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCR
 SERLAKYNQLLRIEEEELGSK
 AKFAGRNFRNPLAKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation
Full Length	Full L.

GENE INFORMATION

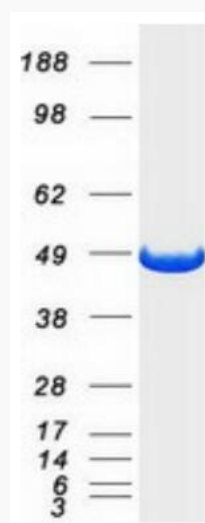
Gene Name	ENO1 enolase 1 [Homo sapiens (human)]
Official Symbol	ENO1
Synonyms	NNE; PPH; MPB1; ENO1L1; HEL-S-17

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Gene ID	2023
mRNA Refseq	NM_001428.5
Protein Refseq	NP_001419.1
MIM	172430
UniProt ID	P06733



Coomassie blue staining of purified ENO1 protein.