

Recombinant Human ENO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ENO1-3995H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENO1 MS Standard C13 and N15-labeled recombinant protein (NP_001419) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	47.2 kDa
AA Sequence	MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALERDNDKTRYM GKGVSKAVEHINKTIAPALVSKKLNVTQEKEIDKLMIEMDGTENKSKFGANAILGVSLA VCKAGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLAMQEFMILPVG AANFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIG

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

KAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIKDYPV
VSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVN
QIGSVTESLQACKLAQANGWGVMSHRSGETEDTFIADLVVGLCTGQIKTGAPCRS
ERLAKYNQLLRIEEEELGSKAKFAGRNFRNPLAKTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ENO1 enolase 1 [Homo sapiens (human)]

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

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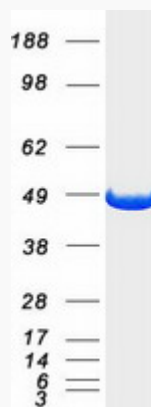
mRNA Refseq NM_001428

Protein Refseq NP_001419

MIM 172430

UniProt ID P06733

SDS-PAGE



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