

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ENO1 MS Standard C13 and N15-labeled recombinant protein (NP_001419) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | <p>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.</p> <p>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.</p> <p>Alpha-enolase has also been identified as an autoantigen in Hashimoto encephalopathy.</p> |
| <b>Molecular Mass</b>   | 47.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | <p>MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALERDNDKTRYM</p> <p>GKGVSKAVEHINKTIAPALVSKKLNVTQEKEIDKLMIEMDG TENKSKFGANAILGVSLA</p> <p>VCKAGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLAMQEFMILPVG</p> <p>AANFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIG</p>                                                                                                                                                                                                                                                                                                                                                                                                     |

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

KAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIKDYPV  
VSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVN  
QIGSVTESLQACKLAQANGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRS  
ERLAKYNQLLRIEEEELGSKAKFAGRNFNRNPLAKTRTRPLEQKLISEEDLAANDILDYK  
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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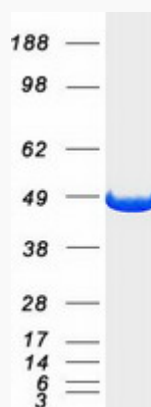
**mRNA Refseq** [NM\\_001428](#)

**Protein Refseq** [NP\\_001419](#)

**MIM** [172430](#)

**UniProt ID** [P06733](#)

**SDS-PAGE**



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