Recombinant Human ENO1 Protein, GST-tagged

Cat. No. ENO1-3309H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ENO1 full-length ORF (AAH11130.1, 1 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jan 2011]
Molecular Mass	73.48 kDa
AA Sequence	MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALELRDNDKTRYM GKGVSKAVEHINKTIAPALVSKKLNVTEQEKIDKLMIEMDGTENKSKFGANAILGVSLA VCKAGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLAMQEFMILPVG AANFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIG KAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIKDYPV

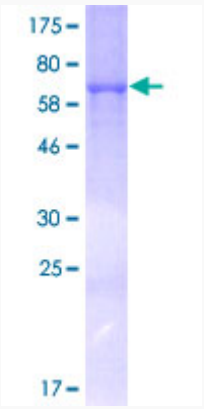
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	VSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVN QIGSVTESLQACKLAQANGWGVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRS ERLAKYNQLLRIEEGLGSKAKFAGRNFRNPLAK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Protein Refseq	NP_001188412
MIM	172430
UniProt ID	P06733
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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