

## Product datasheet for **TP305494**

### Non Neuronal Enolase (ENO1) (NM\_001428) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human enolase 1, (alpha) (ENO1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC205494 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALERDNDKTRYMGKGVSKAVEHIN  
KTIAPALVSKKLNVTQEKIDKLMIEMDGTENKSKFGANAILGVSLAVCKAGAVEKGVPLYRHIADLAGN  
SEVILPVPAFNVIINGGSHAGNKLAMQEFMILPVGAA NFREAMRIGAEVYHNLKKNVIKEKYGKDATNVGDE  
GGFAPNILENKEGLELLKTAIGKAGYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLY  
KSFIDYPVWSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSV  
TESLQACKLAQANGWGMVSHRSGETEDTFIADLVGLCTGQIKTGAPCRSERLAKYNQLLRIEELGSK  
AKFAGRNFNRNPLAK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 47 kDa

**Concentration:** >0.1 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001419](#)



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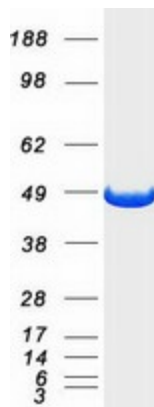
Locus ID: 2023  
UniProt ID: [P06733](#)  
RefSeq Size: 2204  
Cytogenetics: 1p36.23  
RefSeq ORF: 1302  
Synonyms: ENO1L1; HEL-S-17; MPB1; NNE; PPH

**Summary:** 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]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation

### Product images:



Coomassie blue staining of purified ENO1 protein (Cat# TP305494). The protein was produced from HEK293T cells transfected with ENO1 cDNA clone (Cat# [RC205494]) using MegaTran 2.0 (Cat# [TT210002]).