

Product datasheet for **TP305494L**

Non Neuronal Enolase (ENO1) (NM_001428) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human enolase 1, (alpha) (ENO1), 1 mg

Species: Human

Expression Host: HEK293T

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

MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALERDNDKTRYMGKGVSKAVEHIN
KTIAPALVSKKLNVTQEKIDKLMIEDGTENKSKFGANAILGVSLAVCKAGAVEKGVPLYRHIADLAGN
SEVILPVPFNVINGGSHAGNKLAMQEFMILPVGAANFREAMRIGAEVYHNLKNVIKEYGKDATNVGDE
GGFAPNILENKEGLELLKTAIGKAGYTDKVVIGMDVAASEFFRSKYDLDFKSPDDPSRYISPDQLADLY
KSFIKDYVVSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSV
TESLQACKLAQANGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLLRIEELGSK
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](#)



[View online »](#)

Locus ID: 2023

UniProt ID: [P06733](#), [A0A024R4F1](#)

RefSeq Size: 2204

Cytogenetics: 1p36.23

RefSeq ORF: 1302

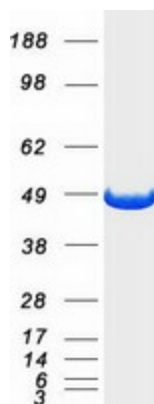
Synonyms: ENO1L1; HEL-S-17; MPB1; NNE; PPH

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]).