Recombinant Human ENO2, His-tagged

Cat. No. ENO2-1002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 436 AA. MW: 47.59 kDa (calculated). C-Terminal His-tag
Species	Human
Source	Hela
Description	Gamma-enolase, also known as enolase 2 (ENO2) or neuron specific enolase (NSE) is an enzyme that in humans is encoded by the ENO2 gene. Gamma-enolase is a.phosphopyruvate.hydratase. Gamma-enolase is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.
Form	Frozen in production medium.
Reconstitution	Defrost at ambient temperature.
Applications	In vitro diagnostic
Quality Control Test	SDS-PAGE
Sequences of amino acids	MAISRELVDP NSLEVDLYTA KGLFRAAVPS GASTGIYEAL ELRDGDKQRY LGKGVLKAVD HINSTIAPAL ISSGLSVVEQ EKLDNLMLEL DGTENKSKFG ANAILGVSLA VCKAGAAERE LPLYRHIAQL AGNSDLILPV PAFNVINGGS HAGNKLAMQE FMILPVGAES FRDAMRLGAE VYHTLKGVIK DKYGKDATNV

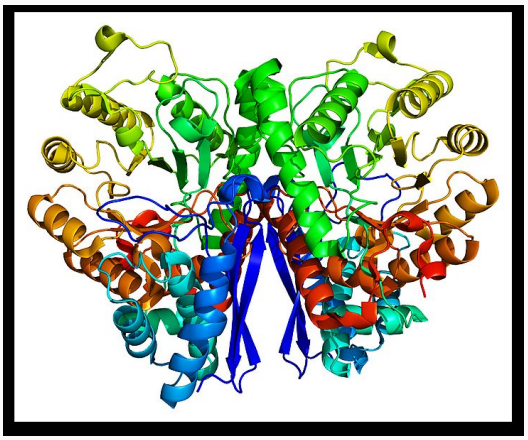
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	GDEGGFAPNI LENSEALELV KEAIDKAGYT EKIVIGMDVA ASEFYRDGKY DLDFKSPTDP SRYITGDQLG ALYQDFVRDY PVVSIEDPFD QDDWAAWSKF TANVGIQIVG DDLTVTNPKR IERAVEEKAC NCLLLKVNQI GSVTEAIQAC KLAQENGWGV MVSHRSGETE DTFIADLVVG LCTGQIKTGA PCRSERLAKY NQLMRIEEEL GDEARFAGHN FRNPSALEHH HHHHHH
Storage	Store frozen at -20°C. Stable until expiry date.
Pathways	Gluconeogenesis; Glucose metabolism; Glycolysis; Glycolysis/Gluconeogenesis; Glycolysis and Gluconeogenesis; Metabolic pathways; Metabolism of carbohydrates; RNA degradation

GENE INFORMATION

Gene Name	ENO2 enolase 2 (gamma, neuronal) [Homo sapiens]
Official Symbol	ENO2
Synonyms	ENO2; enolase 2 (gamma, neuronal); NSE; Gamma-enolase; EC=4.2.1.11; 2-phospho-D-glycerate hydro-lyase; Enolase 2; Neural enolase; Neuron-specific enolase; gamma-enolase; neurone-specific enolase; neuron specific gamma enolase; EC 4.2.1.11
Gene ID	2026
mRNA Refseq	NM_001975
Protein Refseq	NP_001966
MIM	131360

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Uniprot ID	P09104
Chromosome Location	12p13
Function	lyase activity; magnesium ion binding; phosphopyruvate hydratase activity
ENO2 protein	

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