Enolase 1/ENO1 Protein, Mouse (His)

Cat. No.:	HY-P72182
Synonyms:	Eno1; Eno-1; Alpha-enolase; EC 4.2.1.11; 2-phospho-D-glycerate hydro-lyase; Enolase 1; Non-neural enolase; NNE
Species:	Mouse
Source:	E. coli
Accession:	P17182 (S2-A433)
Gene ID:	13806
Molecular Weight:	Approximately 50.4 kDa

PROPERTIES

AA Sequence	S I L R I H A R E I F D S R G N P T V E V D L Y T A K G L F R A A V P S G A S T G I Y E A L E L R D N D K T R F M G K G V S Q A V E H I N K T I A P A L V S K K V N V V E Q E K I D K L M I E M D G T E N K S K F G A N A I L G V S L A V C K A G A V E K G V P L Y R H I A D L A G N P E V I L P V P A F N V I N G G S H A G N K L A M Q E F M I L P V G A S S F R E A M R I G A E V Y H N L K N V I K E K Y G K D A T N V G D E G G F A P N I L E N K E A L E L L K T A I A K A G Y T D Q V V I G M D V A A S E F Y R S G K Y D L D F K S P D D P S R Y I T P D Q L A D L Y K S F V Q N Y P V V S I E D P F D Q D D W G A W Q K F T A S A G I Q V V G D D L T V T N P K R I A K A A S E K S C N C L L L K V N Q I G S V T E S L Q A C K L A Q S N G W G V M V S H R S G E T E D T F I A D L V V G L C T G Q I K T G A P C R S E R L A K Y N Q I L R I E E E E L G S K A K F A G R S F R N P L A
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm solution of Tris-based buffer, 50% Glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Enolase 1 (ENO1) is a glycolytic enzyme responsible for catalyzing the conversion of 2-phosphoglycerate to phosphoenolpyruvate. Beyond its role in glycolysis, ENO1 plays a multifaceted role in various cellular processes, including growth control, hypoxia tolerance, and allergic responses. Notably, it functions in the intravascular and pericellular fibrinolytic system by acting as both a receptor and activator of plasminogen on the cell surface, observed in diverse cell types such as leukocytes and neurons. Additionally, ENO1 exhibits the capacity to stimulate immunoglobulin production, further highlighting its involvement in immune responses.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA