

## Mouse ENO1 Recombinant Protein

PX-P1088-10

### DESCRIPTION

Enolase 1 (ENO1), commonly known as alpha-enolase is a glycolytic enzyme, one of three enolase isoenzymes found in mammals. Every isoenzyme is a homodimer composed of 2 alpha, 2 gamma, or 2 beta subunits, and functions as a glycolytic enzyme. ENO1 is a glycolytic enzyme that catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate. This isozyme is ubiquitously expressed in adult human tissues, including liver, brain, kidney, and spleen. It is a multifunctional enzyme that plays a part in the glycolysis and in various processes such as growth control, hypoxia tolerance and allergic responses. It can also work in the intravascular and pericellular fibrinolytic system because to its capability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons.

### OVERVIEW

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<b>SIZE</b>	10 ug
<b>ORIGIN SPECIES</b>	Mouse
<b>FRAGMENT</b>	Full+*
<b>PROTEIN DELIVERED WITH TAG</b>	Yes
<b>MOLECULAR WEIGHT WITH TAG IF ANY</b>	50,68 kDa
<b>DELIVERY CONDITION</b>	Dry Ice

### PRODUCT INFORMATION

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<b>EXPRESSION SYSTEM</b>	Prokaryotic expression
<b>HOST</b>	E.coli
<b>PURITY</b>	90%
<b>PROTEIN ACCESSION</b>	NP_075608
<b>FORM</b>	Frozen
<b>BUFFER</b>	PBS, pH 7.5
<b>STABILITY &amp; STORAGE</b>	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

## MORE INFO

<b>GENE ID</b>	13806
<b>SWISSPROTID</b>	P17182
<b>UNIPROT ID</b>	P17182
<b>UNIPROT LINK</b>	<a href="http://www.uniprot.org/uniprot/P17182">http://www.uniprot.org/uniprot/P17182</a>
<b>NCBI GENE ALIASES</b>	MBP-1, AL022784, 0610008I15, Eno-1
<b>SYNONYMS</b>	ENO1 Protein, Alpha Enolase Protein, Alpha enolase like 1 Protein, ENO1L1 Protein, Enolase 1 Protein, MBP-1 Protein, MBPB1 Protein, MPB1 Protein, MYC promoter-binding protein 1 Protein, NNE Protein, Phosphopyruvate hydratase Protein, Alpha-enolase Protein, Tau-crystallin Protein, MBP1 Protein, MPB-1 Protein, C-myc promoter-binding protein Protein, Enolase 1, (alpha) Protein, Enolase-alpha Protein, Non-neural enolase Protein, Plasminogen-binding protein Protein, PPH Protein

## PROTEIN SEQUENCE

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MGHHHHHHHHSSGHIEGRHMMSILRIHAREIFDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALELRDNDKTRFM  
GKGVSQAVEHINKTIAPALVSKKVNVEQEKIDKLMIEMDGTENKSKFGANAILGVSLAVCKAGAVEKGVPLYRHIADLA  
GNPEVILPVPAFNVINGGSHAGNKLAMQEFMILPVGASSFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNIL  
ENKEALELLKTA

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