

Active Recombinant Mouse Eno1 Protein, His-tagged, Bioactivity Validated

Cat. No. Eno1-244M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Eno1(1-434aa) fused with His tag at N-terminal was expressed in E. coli. Bioactivity Validated.
Species	Mouse
Source	E.coli
ProteinLength	1-434aa
Description	Eno1 also known as Alpha-Enolase, is one of three enolase isoenzymes and a glycolytic enzyme expressed in most tissues. This protein plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion. Abnormal expression of Eno1 is associated with tumor progression in some cases of breast and lung cancer. It also has been identified as an autoantigen associated with Hashimoto's encephalopathy and severe asthma.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Bio-activity	Specific activity is > 6,000 pmol/min/ug, and is defined as the amount of enzyme that convert 1.0 pmole of 2-phosphoglycerate to phosphoenolpyruvate per minute at pH 6.5 at 37C in a couple system with PK and LDH.
Molecular Mass	49.5 kDa (457aa) confirmed by MALDI-TOF

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AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMILRIH AREIFDSRGN PTVEVDLYTA KGLFRAAVPS GASTGIYEAL ELRDNDKTRF MGKGVSQAVE HINKTIAPAL VSKKVNVEQ EKIDKLMIEG DGTEKSKFG ANAILGVSLA VCKAGAVEKG VPLYRHIADL AGNPEVILPV PAFNVINGGS HAGNKLAMQE FMILPVGASS FREAMRIGAE VYHNLKNVIK EKYGKDATNV GDEGGFAPNI LENKEALELL KTAIAKAGYT DQVVIGMDVA ASEFYRSGKY DLDFKSPDDP SRYITPDQLA DLYKSFVQNY PVVSIEDPFD QDDWGAWQKF TASAGIQVVG DDLTVTNPKR IAKAASEKSC NCLLLKVNQI GSVTESLQAC KLAQSNGWGV MVSHRSGETE DTFIADLVVG LCTGQIKTGA PCRSERLAKY NQILRIEEEL GSKAKFAGRS FRNPLAK
Purity	> 90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Eno1 enolase 1, alpha non-neuron [Mus musculus]
Official Symbol	Eno1
Synonyms	ENO1; enolase 1, alpha non-neuron; alpha-enolase; NNE; non-neural enolase; c-Myc promoter binding protein; 2-phospho-D-glycerate hydrolase; 2-phospho-D-glycerate hydro-lyase; Eno-1; MBP-1; AL022784; 0610008I15; MGC103111; MGC107267;

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Gene ID	13806
mRNA Refseq	NM_023119
Protein Refseq	NP_075608
UniProt ID	P17182

