Datasheet for ABIN6388125

ENO1 Protein (AA 1-434) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	ENO1
Protein Characteristics:	AA 1-434
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENO1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	MSILRIH AREIFDSRGN PTVEVDLYTA KGLFRAAVPS GASTGIYEAL ELRDNDKTRF MGKGVSQAVE HINKTIAPAL VSKKVNVVEQ EKIDKLMIEM DGTENKSKFG 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
Biological Activity Comment:	Specific activity is > 6,000pmol/min/ug, and is defined as the amount of enzyme that convert

Product Details

	1.0pmole of 2-phosphoglycerate to phosphoenolpyruvate per minute at pH 6.5 at 37C in a couple system with PK and LDH.

Target Details

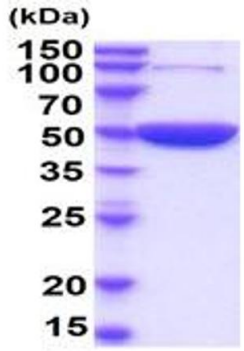
Target:	ENO1
Alternative Name:	Enolase 1/ENO1 (ENO1 Products)
Background:	Eno1 also known as Alpha-Enolase, is one of three enolase isoenzymes and a glycolytic enzyme expressed in most tissues. This protein plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface 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. Recombinant mouse Eno1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Molecular Weight:	49.5 kDa (457aa) confirmed by MALDI-TOF
NCBI Accession:	NP_075608
UniProt:	P17182

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-Hcl buffer (pH 8.5) containing 40 % glycerol, 0.1M NaCl
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.