

Datasheet for ABIN935064
ENO1 Protein (AA 1-434)



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1 Image

Overview

Quantity:	100 µg
Target:	ENO1
Protein Characteristics:	AA 1-434
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MSILKIHARE IFDSRGNPTV EVDLFTSKGL FRAAVPSGAS TGIYEALRLR DNDKTRYMGK
GVSKAVEHIN KTIAPALVSK KLVNTEQEKI DKLMIEMDGT ENKSKFGANA ILGVSLAVCK
AGAVEKGVPL YRHIADLAGN SEVILPVPF NVINGGSHAG NKLAMQEFMI LPVGAANFRE
AMRIGAEVYH NLKNVIKEY GKDATNVGDE GGFAPNILEN KEGLELLKTA IGKAGYTDKV
VIGMDVAASE FFRSGKYDLD FKSPDDPSRY ISPDQLADLY KSFIKDYPVV SIEDPFDQDD
WGAWQKFTAS AGIQVVGDDL TVTNPKRIAK AVNEKSCNCL LLKVNQIGSV TESLQACKLA
QANGWGVMS HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL LRIEELGSK
AKFAGRNFN PLAK

Characteristics: Purified recombinant Human Alphaenolase protein
Expression System: E.coli
Bioactivity: Specific activity: > 13 units/mL. One unit will convert 1.0 m of 2-phosphoglycerate to phospho(enol)pyruvate per minute at pH 7.5 at 25C

Product Details

Purity: > 90 % pure

Target Details

Target: ENO1

Abstract: [ENO1 Products](#)

Background: Alpha-enolase, also known as Enolase 1, 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 alpha-enolase is associated with tumor progression in some cases of breast and lung cancer. It also has been identified as an autoproduct associated with Hashimoto's encephalopathy and severe asthma. Recombinant human alpha-enolase was expressed in E. coli and purified by using conventional chromatography.

Alternative Names: Enolase 1 protein, C myc promoter binding protein protein, 2 phospho D glycerate hydro lyase protein, Alpha enolase protein, Phosphopyruvate hydratase protein, MPB 1 protein, ENO1L1 protein, MYC promoter-binding protein 1 protein, Non neural enolase protein, Enolase 1 (alpha) like 1 protein, Non-Neuronal Enolase (NNE) protein, MYC promoter binding protein 1 protein, EC 4.2.1.11 protein, NNE protein, MBP-1 protein, PPH protein, Enolase-1 protein, , MBPB1 protein, PPH protein, Plasminogen binding protein protein, MBP 1 protein, ENO1 protein, Enolase 1 (alpha) protein, tau-crystallin protein, MPB1 protein, MBP1 protein

Molecular Weight: 47.1 kDa (434 AA)

Application Details

Application Notes: Alphaenolase protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl buffer, pH 7.5, containing 1 mM MgSO₄ and 10 % glycerol.

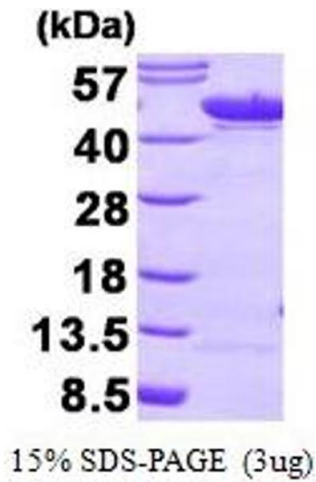
Handling Advice: Avoid repeated freeze/thaw cycles.

Handling

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.