Datasheet for ABIN1608199

ENO1 Protein (AA 2-428, partial) (GST tag)

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Overview

Quantity:	100 µg
Target:	ENO1
Protein Characteristics:	AA 2-428, partial
Reactivity:	Please inquire
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENO1 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	SILKIHAREI FDSRGNPTVE VDLFTSKGLF RAAVPSGAST GIYEALELRD NDKTRYMGKG VSKAVEHINK TIAPALVSKK LNVTEQEKID KLMIEMDGTE NKSKFGANAI LGVSLAVCKA GAVEKGVPLY RHIADLAGNS EVILPVPAFN VINGGSHAGN KLAMQEFMIL PVGAANFREA MRIGAEVYHN LKNVIKEKYG KDATNVGDEG GFAPNILENK EGLELLKTAI GKAGYTDKVV IGMDVAASEF FRSGKYDLDF KSPDDPSRYI SPDQLADLYK SFIKDYPVVS IEDPFDQDDW GAWQKFTASA GIQVVGDDLT VTNPKRIAKA VNEKSCNCLL LKVNQIGSVT ESLQACKLAQ ANGWGVMVSH RSGETEDTFI ADLVVGLCTG QIKTGAPCRS ERLAKYNQLL RIEEELGSKA KFAGRNF
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	ENO1
Alternative Name:	alpha-Enolase Protein (ENO1 Products)
Background:	Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production. Ref.3 Ref.18 Ref.20 Ref.21 Ref.22 MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor.
Molecular Weight:	73.7 kD
UniProt:	P06733

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C

Handling

Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

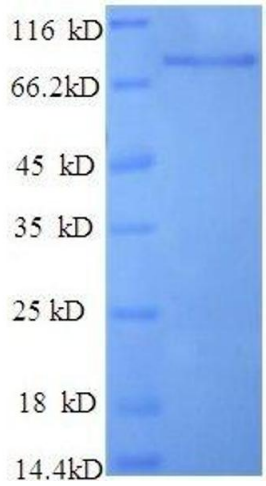
Product cited in:

Ray, Miller: "Cloning and characterization of a human c-myc promoter-binding protein." in: **Molecular and cellular biology**, Vol. 11, Issue 4, pp. 2154-61, (1991) (PubMed).

Giallongo, Oliva, Calì, Barba, Barbieri, Feo: "Structure of the human gene for alpha-enolase." in: **European journal of biochemistry / FEBS**, Vol. 190, Issue 3, pp. 567-73, (1990) (PubMed).

Giallongo, Feo, Moore, Croce, Showe: "Molecular cloning and nucleotide sequence of a full-length cDNA for human alpha enolase." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 83, Issue 18, pp. 6741-5, (1986) (PubMed).

Images



SDS-PAGE

Image 1. Enolase 1, (Alpha) (ENO1) (AA 2-428), (partial) protein (GST tag)