



Datasheet for ABIN7319760

ENO1 Protein (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	ENO1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENO1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Alpha-enolase/Enolase 1/MPB-1/NNE(C-6His)
Sequence:	Met1-Lys434
Characteristics:	Recombinant Human Alpha-enolase is produced by our E.coli expression system and the target gene encoding Met1-Lys434 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ENO1
Alternative Name:	Alpha-enolase/Enolase 1/MPB-1/NNE (ENO1 Products)
Background:	Alpha-enolase, also known as MPB-1, NNE, Enolase 1, belongs to the enolase family. Mammalian enolase is composed of 3 isozyme subunits, alpha, beta and gamma, which can form homodimers or heterodimers which are cell-type and development-specific. ENO1

Target Details

interacts with PLG in the neuronal plasma membrane and promotes its activation. The C-terminal lysine is required for this binding. Isoform MBP-1 interacts with TRAPPC2B. ENO1 interacts with ENO4 and PGAM2. The alpha/alpha homodimer of ENO1 is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons. During ontogenesis, there is a transition from the alpha/alpha homodimer to the alpha/beta heterodimer in striated muscle cells, and to the alpha/gamma heterodimer in nerve cells. 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 and 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. ENO1 also stimulates immunoglobulin production.

Molecular Weight:	48 kDa
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UniProt:	P06733
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Application Details

Restrictions:	For Research Use only
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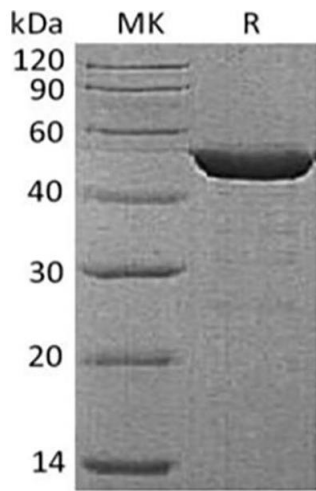
Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 250 mM NaCl, 1 mM MgSO ₄ , 20 % Glycerol, pH 7.5 .
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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Western Blotting

Image 1.