

Product datasheet

Recombinant Human ENO1 protein ab88286

Overview

Product name	Recombinant Human ENO1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Saccharomyces cerevisiae
Amino Acid Sequence	
Species	Human
Sequence	<p>MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGA STGIYEALELR DNDKTRYM GKGVSKAVEHINKTIAPALVSKKLVNTEQEKIDKLMIE D GTENKSKFGANAILGVSL AVCKAGAVEKGVPLYRHIADLAGNSEVILP VPAFNVINGGSHAGNKLAMQEFMILPVG AANFREAMRIGAEVYHNLKN VIKEYGKDATNVGDEGGFAPNILENKEGLELLKTAIG KAGYTDKVI GMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADL YKSFIDYPVV SIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPK RIAKAVNEKSCNCL LLKVNQIG SVTESLQACKLAQANGWGMVSHRSGETEDTFIADLV VGL CTGQIKTGAPCRSERLAK YNQLLRIEEELGSKAKFAGRNFRNPLAK</p>

Specifications

Our [Abpromise guarantee](#) covers the use of **ab88286** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Purity	> 90 % SDS-PAGE. ab88286 was purified by affinity chromatography.
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
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General Info

Function	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. MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor.
Tissue specificity	The alpha/alpha homodimer 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.
Pathway	Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 4/5.
Sequence similarities	Belongs to the enolase family.
Developmental stage	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.
Post-translational modifications	ISGylated.
Cellular localization	Nucleus and Cytoplasm. Cell membrane. Cytoplasm > myofibril > sarcomere > M line. Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line.

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