

Recombinant human ENO3 protein ab113127

画像数 1

製品の詳細

製品名	Recombinant human ENO3 protein
生理活性	Specific activity is > 5,000pmol/min/μg, and was obtained by measuring the decrease of NAD in absorbance at 340nm resulting from NADH at pH 6.5 at 37°C.
精製度	> 95 % SDS-PAGE. ab113127 was purified using conventional chromatography.
発現系	Escherichia coli
アクセッション番号	<u>P13929</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MGSSHHHHHHSSGLVPRGSHMAMQKIFAREILDSRGNPTV EVDLHTAKGR FRAAVPSGASTGIYEALELRDGDKGRYLGKGVLKAVENINST LGPALLQK KLSVADQEKVDKFMIELDGTENKSKFGANAILGVSLAVCKAG AAEKGVP YRHIADLAGNPDLILPVPAFNIVINGGSHAGNKLAMQEFMILP VGASSFKE AMRIGAEVYHHLKGVIAKAKYGKDATNVGDEGGFAPNILENNE ALELLKTA IQAAGYPDKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHIT GEKLGELY KSFIGNYPVVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTV TNPKRIAQ AVEKKACNCLLLKVNQIGSVTESIQACKLAQSNGWGMVSHR SGETEDTF IADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEEALGDKAI FAGRKFRN PKAK</p>

予測される分子量	49 kDa including tags
領域	1 to 434
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab113127** in the following tested applications.

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

アプリケーション	SDS-PAGE
	Mass Spectrometry
質量分析	MALDI-TOF
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 8.00
	Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
	This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能	Appears to have a function in striated muscle development and regeneration.
組織特異性	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.
パスウェイ	Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 4/5.
関連疾患	Defects in ENO3 are the cause of glycogen storage disease type 13 (GSD13) [MIM:612932]. A metabolic disorder that results in exercise-induced myalgias, generalized muscle weakness and fatigability. It is characterized by increased serum creatine kinase and decreased enolase 3 activity. Dramatically reduced protein levels with focal sarcoplasmic accumulation of glycogen-beta particles are detected on ultrastructural analysis.
配列類似性	Belongs to the enolase family.
発生段階	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.
細胞内局在	Cytoplasm. Localized to the Z line. Some colocalization with CKM at M-band.

画像



15% SDS-PAGE analysis of ENO3 protein (ab113127; 3 µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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