abcam

Product datasheet

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 MGSSHHHHHHSSGLVPRGSHMAMQKIFAREILDSRGNPTV

EVDLHTAKGR

FRAAVPSGASTGIYEALELRDGDKGRYLGKGVLKAVENINST

LGPALLQK

KLSVADQEKVDKFMIELDGTENKSKFGANAILGVSLAVCKAG

AAEKGVPL

YRHIADLAGNPDLILPVPAFNVINGGSHAGNKLAMQEFMILP

VGASSFKE

AMRIGAEVYHHLKGVIKAKYGKDATNVGDEGGFAPNILENNE

ALELLKTA

IQAAGYPDKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHIT

GEKLGELY

KSFIKNYPVVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTV

TNPKRIAQ

AVEKKACNCLLLKVNQIGSVTESIQACKLAQSNGWGVMVSHR

SGETEDTF

IADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEEALGDKAI

FAGRKFRN PKAK

予測される分子量 49 kDa including tags

領域 1 to 434

タグ His tag N-Terminus

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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.

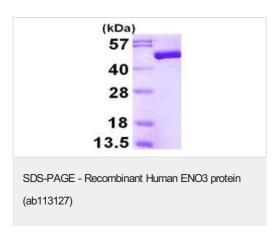
配列類似性 Belongs to the enolase family.

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).

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