

Recombinant human IDH1 protein ab113858

2 References [画像数 1](#)

製品の詳細

製品名	Recombinant human IDH1 protein
生理活性	Specific activity: > 0.7 units/ml. One unit will convert 1.0 umole of isocitrate to alpha-ketoglutarate per minute at pH7.5 at 25C. Specific activity: > 0.7 units/ml. One unit will convert 1.0 umole of isocitrate to alpha-ketoglutarate per minute at pH7.5 at 25C.
精製度	> 95 % SDS-PAGE. ab113858 was purified using conventional chromatography.
発現系	Escherichia coli
アクセッション番号	<u>O75874</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MGSSHHHHHHSSGLVPRGSHMSKKISGGSVVEMQGDEMTR</p> <p>IIWELIKEKL</p> <p>IFPYVELDLHSYDLGIENRDATNDQVTKDAAEAIKKHNVGVK</p> <p>CATITPDE</p> <p>KRVEEFKLKQMWKSPNGTIRNILGGTVFREAIICKNIPRLVS</p> <p>GWVKPIII</p> <p>GRHAYGDQYRATDFVVPGPVKVEITYTPSDGTQKVTYLVHNF</p> <p>EEGGGVAM</p> <p>GMYNQDKSIEDFAHSSFQMALSKGWPLYLSTKNTILKKYDGR</p> <p>FKDIFQEI</p> <p>YDKQYKSQFEAQKIWYEHRLIDDMVAQAMKSEGGFIWACKNY</p> <p>DGDVQSDS</p> <p>VAQGYGSLGMMTSVLVCPDGKTVEAAHGTVTRHYRMYQKG</p> <p>QETSTNPI</p> <p>ASIFAWTRGLAHRAKLDNNKELAFFANALEEVSIIETIEAGFM</p> <p>TKDLAACI</p> <p>KGLPNVQRSDYLNTFEFMDKLGLENLKIKLAQAKL</p>
予測される分子量	49 kDa including tags
領域	1 to 414
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab113858** 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	Mass Spectrometry
	SDS-PAGE
質量分析	MALDI-TOF
製品の状態	Liquid
備考	This product was previously labelled as Isocitrate dehydrogenase

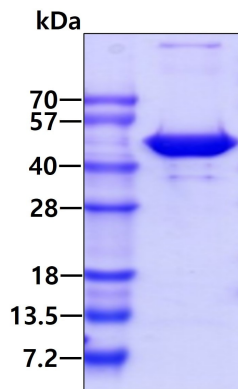
前処理および保存

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: 0.002% PMSF, 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.
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関連情報

関連疾患	Glioma Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate.
配列類似性	Belongs to the isocitrate and isopropylmalate dehydrogenases family.
翻訳後修飾	Acetylation at Lys-374 dramatically reduces catalytic activity.
細胞内局在	Cytoplasm. Peroxisome.

画像



SDS-PAGE - Recombinant human IDH1 protein
(ab113858)

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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

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