

Recombinant human IDH1 protein ab113858

2 References 1 图像

描述	
产品名称	重组人IDH1蛋白
生物活性	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.
纯度	> 95 % SDS-PAGE. ab113858 was purified using conventional chromatography.
表达系统	Escherichia coli
Accession	<u>O75874</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMSKKISGGSVVEMQGDEMTR IIWELIKEKL IFPYVELDLHSYDLGIENRDATNDQVTKDAAEAIKKHNVGVK CATITPDE KRVEEFKLKQMWKSPNGTIRNILGGTVFREAIICKNIPRLVS GWVKPIII GRHAYGDQYRATDFVVPGPVKVEITYTPSDGTQKVTYLVHNF EEGGGVAM GMYNQDKSIEDFAHSSFQMALSKGWPLYLSTKNTILKKYDGR FKDIFQEI YDKQYKSQFEAQKIWYEHRLIDDMVAQAMKSEGGFIWACKNY DGDVQSDS VAQGYGSLGMMTSVLVCPDGKTVEAAHGTVTRHYRMYQKG QETSTNPI ASIFAWTRGLAHRAKLDNNKELAFFANALEEVSIIETIEAGFM TKDLAACI KGLPNVQRSDYLNTFEFMDKLGLENLKIKLAQAKL
预测分子量	49 kDa including tags
氨基酸	1 to 414
标签	His tag N-Terminus

技术指标

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.

应用	Mass Spectrometry
	SDS-PAGE
质谱法	MALDI-TOF
形式	Liquid
补充说明	This product was previously labelled as Isocitrate dehydrogenase

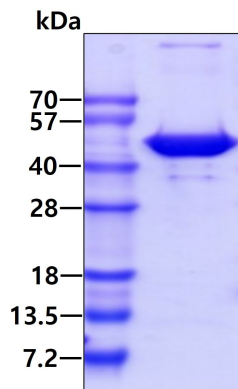
制备和贮存

稳定性和存储	<p>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.</p> <p>pH: 8.00</p> <p>Constituents: 0.002% PMSF, 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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常规信息

疾病相关	<p>Glioma</p> <p>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.</p>
序列相似性	Belongs to the isocitrate and isopropylmalate dehydrogenases family.
翻译后修饰	Acetylation at Lys-374 dramatically reduces catalytic activity.
细胞定位	Cytoplasm. Peroxisome.

图片



SDS-PAGE - Recombinant human IDH1 protein
(ab113858)

3ug 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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