

Recombinant human IDH1 (mutated R132H) protein ab198123

画像数 2

製品の詳細

製品名	Recombinant human IDH1 (mutated R132H) protein		
生理活性	<p>Specific Activity: 53 pmol/min/μg.</p> <p>Assay conditions: ab198123 reductive activity was measured in 200 μl reaction containing 25 mM Tris (pH 7.4), 150 mM NaCl, 10 mM MgCl₂, 0.03% BSA, 1 mM -Ketoglutarate, 10 μM NADPH and IDH. Depletion of NADPH was monitored over time at 340 nm. Depletion of NADPH was monitored continuously at Abs340 nm for 20 min. Molar extinction coefficient of NADPH is 6,200 M⁻¹cm⁻¹.</p>		
精製度	<p>> 90 % SDS-PAGE.</p> <p>Affinity purified.</p>		
発現系	Baculovirus infected Sf9 cells		
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	MSKKISGGSVVEMQGDEMTRIIWELIKEKLIFPYVELDLHSY DLGIENRD ATNDQVTKDAAEAIAKKHNVGKCATITPDEKRVEEFKLKQMW KSPNGTIR NILGGTVFREAIICKNIPRLVSGWVKPIIIGHHAYGDQYRAT DFVVPGP KVEITYTPSDGTQKVTVLVHNFEEGGGVAMGMYNQDKSIEDF AHSSFQMA LSKGWPLYLSTKNTILKKYDGRFKDIFQEIYDKQYKSQFEAQ KIWEHRL IDDMVAQAMKSEGGFIWACKNYDGDVQSDSVAQGYGSLGMMT SVLVCPDG KTVEAAAHGTVTRHYRMYQKGQETSTNPIASIFAWTRGLAH RAKLDNNK ELAFFANALEEVSIEIEAGFMTKDLAACIKGLPNVQRSDYL NTFEFMDK LGENLKIQLAQAKLDYKDDDDK		
予測される分子量	48 kDa including tags		

領域	1 to 414
修飾	mutated R132H
タグ	DDDDK tag C-Terminus
配列の追加情報	GenBank Accession No. NM_005896

特性

Our **Abpromise guarantee** covers the use of **ab198123** 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 Functional Studies
製品の状態	Liquid
備考	This product was previously labelled as Isocitrate dehydrogenase

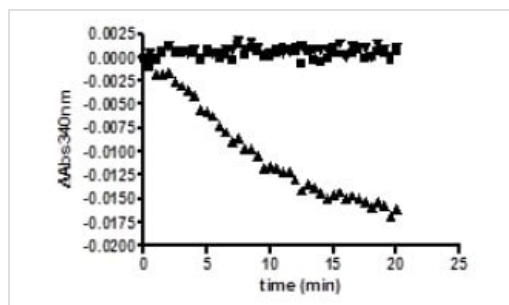
前処理および保存

保存方法および安定性	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine), 0.02% Potassium chloride Also contains 80 µg/ml DDDDK peptide 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

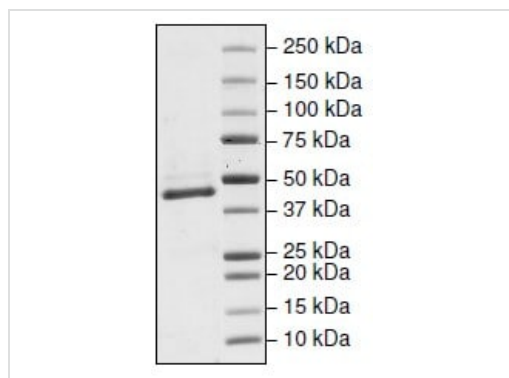
関連疾患	Glioma Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate.
配列類似性	Belongs to the 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



Specific activity of ab198123 was determined to be 53 pmol/min/μg

Functional Studies - Recombinant human IDH1
(mutated R132H) protein (ab198123)



4-20% SDS-PAGE analysis of 1.6 μg ab198123 with Coomassie staining.

SDS-PAGE - Recombinant human IDH1 (mutated
R132H) protein (ab198123)

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

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