

Product datasheet

Recombinant Human IDH1 protein (His tag) ab219691

1 Image

Description

Product name	Recombinant Human IDH1 protein (His tag)	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	O75874	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	SKKISGGSVVEMQGDDEMTRIIMELIKEKLIFPYVELDLH SYDLGIENRDA TNDQVTKDAAEAIAIKKHNVGVKCATITPDEKRVEEFKLK QMWKSPNGTIRN ILGGTVFREAIIICKNIPRLVSGWVKPIIIGRHAYGDQYRAT DFVVPGP GK VEITYTPSDGTQKVTYLVHNFEEGGGVAMGMYNQDKSI EDFAHSSFQMAL SKGWPLYLSTKNTILKKYDGRFKDIFQEYDKQYKSQFE AQKIWYEHRLI DDMVAQAMKSEGGFIWACKNYDGDVQSDSVAQGYG SLGMMTSVLVCPDGK TVEAAAHGTVTRHYRMYQKGQETSTNPIASIFAWTRG LAHRAKLDNNKE LAFFANALEEVSIETIEAGFMTKDLAACIKGLPNVQRSD YLNTFEFMDKL GENLKIKLAQAKL	
Predicted molecular weight	48 kDa including tags	
Amino acids	2 to 414	
Tags	His tag C-Terminus	
Additional sequence information	(NP_005887).	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219691** in the following tested applications.

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

Applications	SDS-PAGE
Form	Lyophilised
Additional notes	This product was previously labelled as Isocitrate dehydrogenase

Preparation and Storage

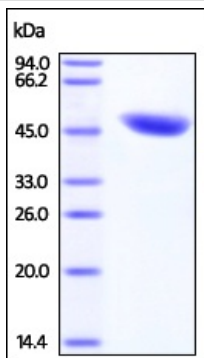
Stability and Storage	<p>Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.50</p> <p>Constituents: 0.61% Tris, 0.87% Sodium chloride, 0.05% Brij, 0.02% DTT</p> <p>Note: 5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%.</p>
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Reconstitution	<p>It is recommended to reconstitute the lyophilized product in sterile deionized water to a final concentration of 1 mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.</p>
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General Info

Involvement in disease	<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>
Sequence similarities	<p>Belongs to the isocitrate and isopropylmalate dehydrogenases family.</p>
Post-translational modifications	<p>Acetylation at Lys-374 dramatically reduces catalytic activity.</p>
Cellular localization	<p>Cytoplasm. Peroxisome.</p>

Images



SDS-PAGE - Recombinant Human IDH1 protein (His tag) (ab219691)

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

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- Response to your inquiry within 24 hours
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