

Product datasheet

Recombinant Human BDH2 protein ab103058

1 Image

Description

Product name	Recombinant Human BDH2 protein
Purity	> 95 % SDS-PAGE. ab103058 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	<u>Q9BUT1</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMGRLDGKVILTAAQIGIG QAAALAFAREG AKVIATDINESKLQELEKYPGIQTRVLDVTKKKQIDQFANEV ERLDVLFN VAGFVHHGTVLDCEEKDWDFSMNLNVRSMYLMIKAFLPK MLAQKSGNIIN MSSVASSVKGVVNRCVYSTTKAAVIGLTKSVAADFIQQGIR CNCVCPGTV DTPSLQERIQARGNPEEARNDFLKRQKTGRFATAEEIAML CVYLASDESA YVTGNPVIIDGGWSL
Predicted molecular weight	29 kDa including tags
Amino acids	1 to 245
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab103058** 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 Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

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: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Dehydrogenase that mediates the formation of 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin and associates with LCN2, thereby playing a key role in iron homeostasis and transport. Also acts as a 3-hydroxybutyrate dehydrogenase.

Pathway

Siderophore biosynthesis.

Sequence similarities

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

Cellular localization

Cytoplasm.

Images



15% SDS-PAGE (3 µg)

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