abcam

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 Q9BUT1

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MGSSHHHHHHSSGLVPRGSHMGRLDGKVIILTAAAQGIG

QAAALAFAREG

AKVIATDINESKLQELEKYPGIQTRVLDVTKKKQIDQFANEV

ERLDVLFN

 ${\tt VAGFVHHGTVLDCEEKDWDFSMNLNVRSMYLMIKAFLPK}$

MLAQKSGNIN

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

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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 HCI, 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-

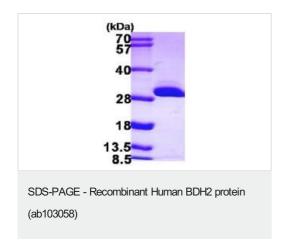
hydroxybutyrate dehydrogenase.

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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