

Product datasheet

Recombinant Human PHGDH/Malate dehydrogenase protein ab153270

1 Image

Description

Product name	Recombinant Human PHGDH/Malate dehydrogenase protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MAFANLRKVLISDSLDPCCRKILQDGGGLQVVEKQNLKSEE LIAELQDCEG LMRSATKVTADVINAAEKLQVVGRAGTGVDNVDLEAATR KGILVMNTPN GNSLSAAELTCGMIMCLARQIPQATASMKGKWERKKFM GTELNGKTLGI LGLGRIGREVATRMQSFGMKTIGYDPIISPEVSASFGVQQL PLEEWPLC DFITVHTPLLPSTTGLLNDNTFAQCKKGVRRVNCARGGVD EGALLRALQ SGQCAGAALDVFTEEPPRDRALVDHENVISCPHLGASTK EAQSRCGEEIA VQFVDMVKGKSLTGVVNAQALTSAFSPHTKPWIGLAEAL GTLMRAWAGSP KGTIQVITQGTSLKNAGNCLSPAVIVGLLKEASKQADVNLV NAKLLVKEA GLNVTTSHSPAAPGEQGFGECLLAVALAGAPYQAVGLVQ GTPVLQQLNG AVFRPEVPLRRDLPLLLFRTQTSDPAMLPTMIGLLAEAGV RLLSYQTSLV SDGETWHVMGISSLLPSLEAWKQHVTEAFQFHF</p>
Amino acids	1 to 533
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab153270** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	This product was previously labelled as PHGDH.

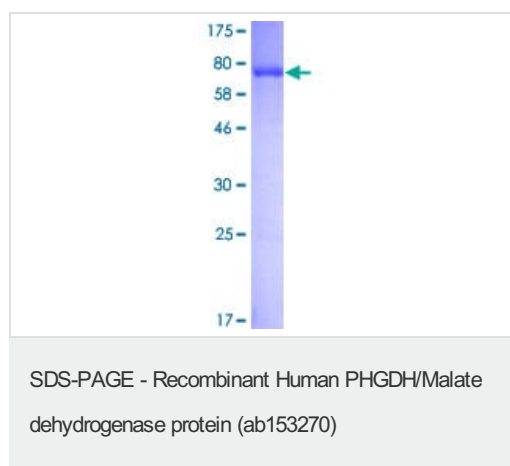
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
------------------------------	--

General Info

Pathway	Amino-acid biosynthesis; L-serine biosynthesis; L-serine from 3-phospho-D-glycerate: step 1/3.
Involvement in disease	Defects in PHGDH are the cause of phosphoglycerate dehydrogenase deficiency (PHGDH deficiency) [MIM:601815]. It is characterized by congenital microcephaly, psychomotor retardation, and seizures.
Sequence similarities	Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.

Images



ab153270 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors