

Product datasheet

Recombinant Mouse GRHPR protein (Tagged) ab226316

1 Image

Description

Product name	Recombinant Mouse GRHPR protein (Tagged)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>Q91Z53</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	MKPARLMKVFVTGPLPAEGRAALQAADCEVEQWNSDD PIPRKDLEQGVV GAHGLLCRLSDRVDKLLDAAGANLRVISTLSVGV DHAL DEIKKRGIRV GYTPGVLTDATAELAVSLLLTCRRLPEAIEEVKNGGWSS WSPLWMCGYG LSQSTVGIVGLGRIGQAIARRLKPFQVQRFLYTGRQPRPQE AAEFQAEFV PIAQLAAESDFMVVSCSLTPDTMGLCSKDFQKMKNTAIFI NISRGDVVN QEDLYQALASGQIAAAGLDVTTPEPLPPSHPLLTLKNCVIL PHIGSATYK TRNTMSLLAANNLLAGLRGEAMPSELKL
Predicted molecular weight	51 kDa including tags
Amino acids	1 to 328
Tags	His tag N-Terminus
Additional sequence information	N-terminal 6xHis-SUMO tag.

Specifications

Our **Abpromise guarantee** covers the use of **ab226316** 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 Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer

General Info

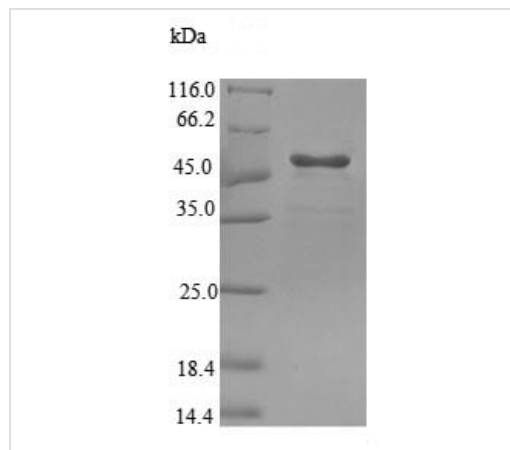
Function Enzyme with hydroxy-pyruvate reductase, glyoxylate reductase and D-glycerate dehydrogenase enzymatic activities. Reduces hydroxypyruvate to D-glycerate, glyoxylate to glycolate oxidizes D-glycerate to hydroxypyruvate.

Tissue specificity Ubiquitous. Most abundantly expressed in the liver.

Involvement in disease Defects in GRHPR are the cause of hyperoxaluria primary type 2 (HP2) [MIM:260000]; also known as primary hyperoxaluria type II (PH2). HP2 is a disorder where the main clinical manifestation is calcium oxalate nephrolithiasis though chronic as well as terminal renal insufficiency has been described. It is characterized by an elevated urinary excretion of oxalate and L-glycerate.

Sequence similarities Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.

Images



SDS-PAGE - Recombinant Mouse GRHPR protein
(Tagged) (ab226316)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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