

Product datasheet

Recombinant Human GRHPR protein ab95913

1 Image

Description

Product name	Recombinant Human GRHPR protein
Purity	> 95 % SDS-PAGE. ab95913 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9UBQ7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MRPVRLMKVF VTRRIPAEGR VALARAADCE VEQWDSDEPI PAKELERGVA GAHGLLCLLS DHVDKRILDA AGANLKVIST MSVGIDHLAL DEIKKRGIRV GYTPDVLTD TAEAVSLLL TTCRRLPEAI EEVKNGGWTS WKPLWLCCGYG LTQSTVGIIG LGRIGQAIAR RLKPFQVQRF LYTGRQPRPE EAAEFQAEFV STPELAAQSD FMVACSLTP ATEGLCNKDF FQMKKETAVF INISRGDVVN QDDLQALAS GKIAAAGLDV TSPEPLPTNH PLLTLKNCVI LPHIGSATHR TRNTMSLLAA NLLAGLRGE PMPSELKL
Predicted molecular weight	38 kDa including tags
Amino acids	1 to 328
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab95913** 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-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: 0.077% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

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.

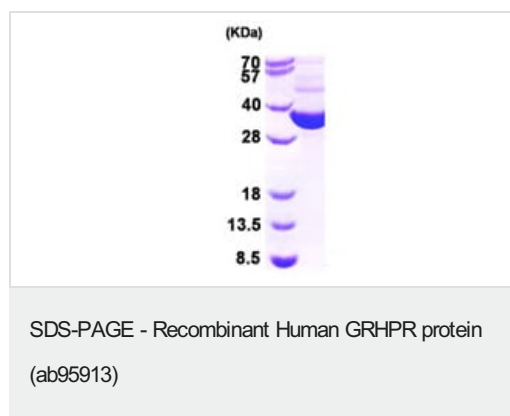
Involvement in disease

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



15% SDS-PAGE showing ab95913 at approximately 37.8kDa (3µg).

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