abcam

Product datasheet

Recombinant Human PRD protein ab202165

1 Image

Description

Product name	Recombinant Human PRD protein
Purity	> 90 % SDS-PAGE. ab202165 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P12955
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAAATGPSFWLGNET LKVPLALFALNR QRLCERLRKNPAVQAGSIVVLQGGEETQRYCTDTGVLFR QESFFHWAFGV TEPGCYGVIDVDTGKSTLFVPRLPASHATWMGKIHSKEHF KEKYAVDDVQ YVDEIASVLTSQKPSVLLTLRGVNTDSGSVCREASFDGIS KFEVNNTILH PEIVECRVFKTDMELEVLRYTNKISSEAHREVMKAVKVGM KEYELESLFE HYCYSRGGMRHSSYTCICGSGENSAVLHYGHAGAPNDRTI QNGDMCLFDM GGEYYCFASDITCSFPANGKFTADQKAVYEAVLRSSRAV MGAMKPGVWWP DMHRLADRIHLEELAHMGILSGSVDAMVQAHLGAVFMPH GLGHFLGIDVH DVGGYPEGVERIDEPGLRSLRTARHLQPGMVLTVEPGIYFI DHLLDEALA DPARASFLNREVLQRFRGFGGVRIEEDVVVTDSGIELLTC VPRTVEEIEA CMAGCDKAFTPFSGPK
Predicted molecular weight	57 kDa including tags
Amino acids	1 to 493
Tags	His tag N-Terminus
Additional sequence information	NP_000276.

Specifications

Our **Abpromise guarantee** covers the use of **ab202165** 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
Additional notes	This product was previously labelled as PEPD

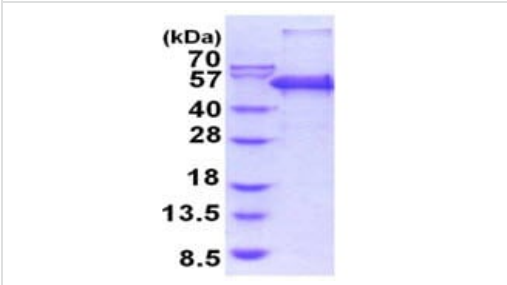
Preparation and Storage

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: 7.40 Constituents: 89% PBS, 10% Glycerol (glycerin, glycerine), 0.02% DTT

General Info

Function	Splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. Plays an important role in collagen metabolism because the high level of iminoacids in collagen.
Involvement in disease	Defects in PEPD are a cause of prolidase deficiency (PD) [MIM:170100]. Prolidase deficiency is an autosomal recessive disorder associated with iminodipeptiduria. The clinical phenotype includes skin ulcers, mental retardation, recurrent infections, and a characteristic facies. These features, however are incompletely penetrant and highly variable in both age of onset and severity. There is a tight linkage between the polymorphisms of prolidase and the myotonic dystrophy trait.
Sequence similarities	Belongs to the peptidase M24B family. Eukaryotic-type prolidase subfamily.

Images



SDS-PAGE - Recombinant Human PRD protein (ab202165)

15% SDS-PAGE analysis of 3 µg ab202165.

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

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- 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.

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