abcam

Product datasheet

Recombinant Human PRD protein ab185411

Description

Product name	Recombinant Human PRD protein
Purity	> 95 % SDS-PAGE. ab185411 is >95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. Supplied as an 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	P12955
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AAATGPSFWLGNETLKVPLALFALNRQRLCERLRKNPAV QAGSIVVLQGG EETQRYCTDTGVLFRQESFFHWAFGVTEPGCYGVIDVDT GKSTLFVPRLP ASHATWMGKIHSKEHFKEKYAVDDVQYVDEIASVLTSQKP SVLLTLRGVN TDSGSVCREASFDGISKFEVNNTILHPEIVECRVFKTDMEL EVLRYTNKI SSEAHREVMKAVKVGMKEYELESLFEHYCYSRGGMRHS SYTCICGSGENS AVLHYGHAGAPNDRTIQNGDMCLFDMGGEYYCFASDITCS FPANGKFTAD QKAVYEAVLRSSRAVMGAMKPGVWW PDMHRLADRIHLEELAHMGILSGSVDAMVQAHLGAVFMP HGLGHFLGIDV HDVGGYPEGVERIDEPGLRSLRTARHLQPGMVLTVEPGIY FIDHLLDEAL ADPARASFFNREVLQRFRGFGGVRIEEDVVVTDSGIELLT CVPRTVEEIE ACMAGCDKAFTPFSGPK
Predicted molecular weight	54 kDa
Amino acids	2 to 493
Additional sequence information	Mature protein

Specifications

Specifications

Our **Abpromise guarantee** covers the use of **ab185411** 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 HPLC
Form	Liquid
Additional notes	This product was previously labelled as PEPD

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS

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.

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