

Recombinant Human PRPF31 protein ab131853

1 Image

Description

Product name	Recombinant Human PRPF31 protein
Expression system	Wheat germ
Accession	<u>Q8WWY3</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSLADELLADLEEAAAAAAAAEGGSYGEEEEPAIEDVQEET QLDLSGDSVKT IAKLWDSKMFAEIMMKIEEYISKQAKASEVMGPVEAAPEY RVVDANNLT VEIENELNIIHKFIRDKYSKRFPELESLVPNALDYIRTVKELG NSLDKCK NNENLQQILTNATIMVSVTASTTQGQQLSEEEELERLEEAC DMALELNAS KHRMEYVESRMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSK MPACNIM LLGAQRKTLSGFSSTSVLPHTGYIYHSDIVQSLPPDLRRKA ARLVAAKCT LAARVDSFHSTEGKVGVELKDEIERKFDKWQEPVPVKQ VKPLPAPLDGQ RKKRGGRRYRKMKERLGLTEIRKQANRMSFGEIEEDAYQE DLGFSLGHLG KSGSGRVRQTQVNEATKARISKTLQRTLQKQSVVYGGKST IRDRSSGTAS SVAFTPLQGLEIVNPQAAEKKVAEANQKYFSSMAEFLKVK GEKSGLMST
Predicted molecular weight	82 kDa including tags
Amino acids	1 to 499

Specifications

Our **Abpromise guarantee** covers the use of **ab131853** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
	Western blot
	ELISA
<b>Form</b>	Liquid

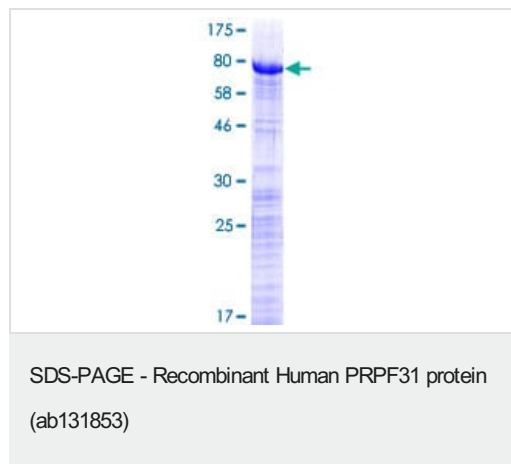
## Preparation and Storage

<b>Stability and Storage</b>	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
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## General Info

<b>Function</b>	Involved in pre-mRNA splicing. Required for U4/U6.U5 tri-snRNP formation.
<b>Tissue specificity</b>	Ubiquitously expressed.
<b>Involvement in disease</b>	Defects in PRPF31 are the cause of retinitis pigmentosa type 11 (RP11) [MIM:600138]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP11 inheritance is autosomal dominant.
<b>Sequence similarities</b>	Belongs to the PRP31 family. Contains 1 Nop domain.
<b>Domain</b>	Interacts with the snRNP via the Nop domain. The coiled coil domain is formed by two non-contiguous helices.
<b>Cellular localization</b>	Nucleus speckle. Nucleus > Cajal body. Predominantly found in speckles and in Cajal bodies.

## Images



12.5% SDS-PAGE analysis of ab131853 stained with Coomassie Blue.

**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
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- 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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