

Product datasheet

Recombinant Human PRPF31 protein ab131853

1 Image

Description

Product name	Recombinant Human PRPF31 protein
Expression system	Wheat germ
Accession	Q8WWY3
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MSLADELLADLEEAEEEEEGGSYGEEEEPAIEDVQEET QLDLSGDSVKT IAKLWDSKMFAEIMMKIEEYISKQAKASEVMGPVEAAPEY RVVDANNLT VEIENELNIIHKFIRDKYSKRFPELESLVPNALDYIRTVKELG NSLDKCK NNENLQQILTNATIMVSVTASTTQGGQLSEEEERLEEAC DMALELNAS KHRMEYVESRMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSK MPACNIM LLGAQRKTLSGFSSTSVLPHTGYIHSDVQSLPDLRRKA ARLVAAKCT LAARVDSFHESTEKGKVGKDEIERKFDKWQEPKPKQ VKPLPAPLDGQ RKKRGGRRYRKMKERLGLTEIRKQANRMSFGEIEEDAYQE DLGFSLGHLG KSGSGRVRQTQVNEATKARISKTLQRTLQKQSVVYGGKST IRDRSSGTAS SVAFTPLQGLEIVNPQAAEKKVAEANQKYFSSMAEFLKVK GEKSGLMST </pre>
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.

Applications	SDS-PAGE Western blot ELISA
Form	Liquid

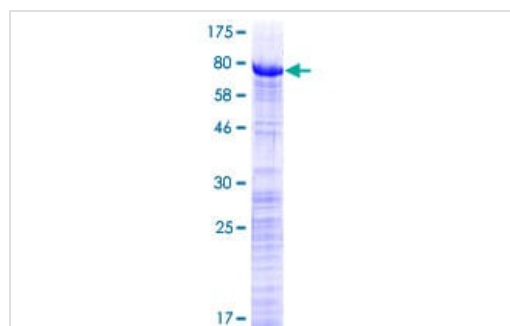
Preparation and Storage

Stability and Storage	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

Function	Involved in pre-mRNA splicing. Required for U4/U6.U5 tri-snRNP formation.
Tissue specificity	Ubiquitously expressed.
Involvement in disease	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.
Sequence similarities	Belongs to the PRP31 family. Contains 1 Nop domain.
Domain	Interacts with the snRNP via the Nop domain. The coiled coil domain is formed by two non-contiguous helices.
Cellular localization	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.

SDS-PAGE - Recombinant Human PRPF31 protein
(ab131853)

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

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