

Product datasheet

Human PRPF31 peptide ab22909

Overview

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**Product name** Human PRPF31 peptide

Description

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**Nature** Synthetic

Amino Acid Sequence

**Species** Human

**Sequence** C-LKVKGEKSGLMST

**Amino acids** 487 to 499

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab22909** in the following tested applications.

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

**Applications** Blocking - Blocking peptide for Anti-PRPF31 antibody ([ab2467](#))

**Form** Liquid

Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

General Info

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**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.

<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.

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