

Product datasheet

Recombinant Human PRP19 protein (BSA and azide free) ab172187

[1 Image](#)

Description

Product name	Recombinant Human PRP19 protein (BSA and azide free)	
Purity	> 90 % Densitometry. Affinity purified.	
Expression system	Baculovirus infected Sf9 cells	
Accession	<u>NM_014502</u>	
Protein length	Full length protein	
Animal free	No	
Carrier free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	SLICISISNEVPEHPCVSPVSNHVVYERRLIEKYAENGTDPIN NQPLSEEQ LIDIKVAHPIRPKPPSATSIPAILKALQDEWDAVMLHSFTLR QQLQTTRQ ELSHALYQHDAACRVIARLTKEVTAAREALATLKPQAGLIV PQAVPSSQP SVVGAGEPMDLGELVGMTPEIIQKLQDKATVLTTERKKRG KTVPEELVKP EELSKYRQVASHVGLHSASIPGILALDLCPSDTNKILTGGA DKNVVVFDK SSEQILATLKGHTKKVTSVVFHPSQDLVFSASPDATIRWS VPNASCVQV VRAHESAVTGLSLHATGDYLLSSDDQYWAFSDIQTGRVL TKVTDETS GC SLTCAQFHPDGLIFGTGTMSQIKIWDLKERTNVANFPGH SGPITSIAFS ENGYLATAADDSSVKLWDLRKLKNFKTLQLDNNFEVKS LIFDQSGTYLA LGGTDVQMCKQWTEILHFTEHSGLTGVAFGHHAKFIAS T GMDRSLKF YSL	
Predicted molecular weight	55 kDa	
Amino acids	2 to 504	

Tags proprietary tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab172187** in the following tested applications.

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

Applications	Western blot SDS-PAGE
Form	Liquid

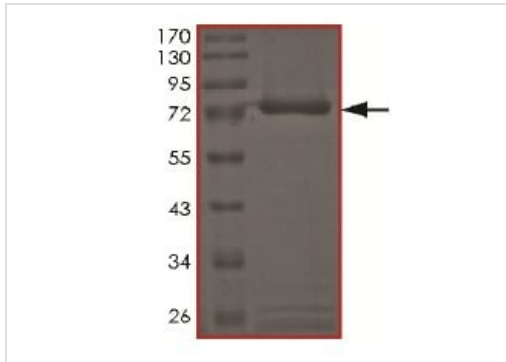
Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
pH: 7.50
Constituents: 0.79% Tris HCl, 0.29% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)

General Info

Function	Plays a role in DNA double-strand break (DSB) repair and pre-mRNA splicing reaction. Binds double-stranded DNA in a sequence-nonspecific manner. Acts as a structural component of the nuclear framework. May also serve as a support for spliceosome binding and activity. Essential for spliceosome assembly in a oligomerization-dependent manner and might also be important for spliceosome stability. May have E3 ubiquitin ligase activity. The PSO4 complex is required in the DNA interstrand cross-links (ICLs) repair process. Overexpression of PRPF19 might extend the cellular life span by increasing the resistance to stress or by improving the DNA repair capacity of the cells.
Tissue specificity	Ubiquitous. Weakly expressed in senescent cells of different tissue origins. Highly expressed in tumor cell lines.
Sequence similarities	Belongs to the WD repeat PRP19 family. Contains 1 U-box domain. Contains 7 WD repeats.
Cellular localization	Nucleus. Nucleus > nucleoplasm. Cytoplasm > cytoskeleton > spindle. Nucleoplasmic in interphase cells. Irregularly distributed in anaphase cells. In prophase cells, uniformly distributed, but not associated with condensing chromosomes. Found in extrachromosomal regions in metaphase cells. Mainly localized to the mitotic spindle apparatus when chromosomes segregate during anaphase. When nuclei reform during late telophase, uniformly distributed in daughter cells and displays no preferred association with decondensing chromatin.

Images



SDS-PAGE showing ab172187. Approx. MW ~74kDa.

SDS-PAGE - Recombinant Human PRP19 protein
(BSA and azide free) (ab172187)

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

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