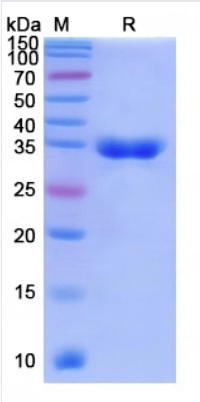
PRPF8 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	PRPF8, Recombinant Protein
Full Product Name	Recombinant Human PRPF8 Protein, N-His
Product Gene Name	PRPF8 recombinant protein
Product Synonym Names	220 kDa U5 snRNP-specific protein; p220; PRPF8; Splicing factor Prp8; PRP8 homolog; Pre-mRNA-processing-splicing factor 8; PRPC8
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	252 kDa
Sequence Positions	Thr2071-Ala2335
OMIM	600059
3D Structure	ModBase 3D Structure for Q6P2Q9
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for PRPF8 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for PRPF8 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for PRPF8 recombinant protein	MBS1577377 is a recombinant protein targeting PRPF8. Also known as Recombinant Human PRPF8 Protein, N-His. Host: E coli.
Other Notes	Small volumes of PRPF8 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of PRPF8 recombinant protein
SDS PAGE for Recombinant Human PRPF8 Protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRPF8. It may not necessarily be applicable to this product.

NCBI GI #	67460824
NCBI GeneID	10594
NCBI Accession #	Q6P2Q9.2
UniProt Primary Accession #	Q6P2Q9
UniProt Secondary Accession #	O14547; O75965
UniProt Related Accession #	Q6P2Q9
NCBI Official Full Name	Pre-mRNA-processing-splicing factor 8
NCBI Official Synonym Full Names	pre-mRNA processing factor 8
NCBI Official Symbol	PRPF8
NCBI Official Synonym Symbols	PRP8; RP13; HPRP8; PRPC8; SNRNP220
UniProt Protein Name	Pre-mRNA-processing-splicing factor 8
UniProt Synonym Protein Names	220 kDa U5 snRNP-specific protein; PRP8 homolog; Splicing factor Prp8; p220
Protein Family	Pre-mRNA-processing-splicing factor
UniProt Gene Name	PRPF8
UniProt Synonym Gene Names	PRPC8
NCBI Protein Information	pre-mRNA-processing-splicing factor 8
NCBI Summary for PRPF8	Pre-mRNA splicing occurs in 2 sequential transesterification steps. The protein encoded by this gene is a component of both U2- and U12-dependent spliceosomes, and found to be essential for the catalytic step II in pre-mRNA splicing process. It contains several WD repeats, which function in protein-protein interactions. This protein has a sequence similarity to yeast Prp8 protein. This gene is a candidate gene for autosomal dominant retinitis pigmentosa. [provided by RefSeq, Jul 2008]
UniProt Comments for PRPF8	Functions as a scaffold that mediates the ordered assembly of spliceosomal proteins and snRNAs. Required for the assembly of the U4/U6-U5 tri-snRNP complex. Functions as scaffold that positions spliceosomal U2, U5 and U6 snRNAs at splice sites on pre-mRNA substrates, so that splicing can occur. Interacts with both the 5' and the 3' splice site.
Research Articles on PRPF8	**1.** Multiple genes contributing to the retinal dystrophy genotypes within a family were discovered using retinal gene-targeted next-generation sequencing. Families with noted examples of phenotypic variation or apparent non-penetrant individuals may offer a clue to suspect complex inheritance.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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