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PRPF8 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21455b

Specification

PRPF8 Blocking Peptide (C-term) - Product Information

Primary Accession Q6P2Q9

PRPF8 Blocking Peptide (C-term) - Additional Information

Gene ID 10594

Other Names
Pre-mRNA-processing-splicing factor 8, 220 kDa U5 snRNP-specific protein, PRP8 homolog, Splicing factor Prp8, p220, PRPF8, PRPC8

Target/Specificity
The synthetic peptide sequence is selected from aa 2239-2253 of HUMAN PRPF8

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRPF8 Blocking Peptide (C-term) - Protein Information

Name PRPF8

Synonyms PRPC8

Function
Plays a role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes, both of the predominant U2-type spliceosome and the minor U12-type spliceosome (PubMed:10411133, PubMed:11971955, PubMed:28502770, PubMed:28781166, PubMed:28076346, PubMed:29361316, PubMed:30315277, PubMed:29360106, PubMed:29301961, PubMed:<a href="http://www.uniprot.org/citations/30728453"

target="_blank">30728453, PubMed:30705154). 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, a building block of the spliceosome. Functions as a 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.

Cellular Location
Nucleus. Nucleus speckle

Tissue Location
Widely expressed..

PRPF8 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PRPF8 Blocking Peptide (C-term) - Images

PRPF8 Blocking Peptide (C-term) - Background

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.

PRPF8 Blocking Peptide (C-term) - References

Luo H.R.,et al.RNA 5:893-908(1999).
Shimada Y.,et al.Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V.,et al.Submitted (DEC-2008) to UniProtKB.
Anderson G.J.,et al.Nature 342:819-821(1989).
Bach M.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:6038-6042(1989).