10320 Camino Santa Fe, Suite G
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PSMB9 Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP21630b

Specification

PSMB9 Blocking Peptide (C-Term) - Product Information

Primary Accession	P28065

PSMB9 Blocking Peptide (C-Term) - Additional Information

Gene ID 5698

Other Names
Proteasome subunit beta type-9, Low molecular mass protein 2, Macropain chain 7, Multicatalytic endopeptidase complex chain 7, Proteasome chain 7, Proteasome subunit beta-1i, Really interesting new gene 12 protein, PSMB9, LMP2, PSMB6i, RING12

Target/Specificity
The synthetic peptide sequence is selected from aa 209-219 of HUMAN PSMB9

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.

PSMB9 Blocking Peptide (C-Term) - Protein Information

Name PSMB9

Synonyms LMP2, PSMB6i, RING12

Function
The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues.

Cellular Location
Cytoplasm {ECO:0000255|PROSITE-ProRule:PRU00809}. Nucleus

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PSMB9 Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

PSMB9 Blocking Peptide (C-Term) - Images

PSMB9 Blocking Peptide (C-Term) - Background

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PSMB9 Blocking Peptide (C-Term) - References

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Beck S.,et al.J. Mol. Biol. 228:433-441(1992).
Kelly A.,et al.Nature 353:667-668(1991).
Fruh K.,et al.J. Biol. Chem. 267:22131-22140(1992).
Beck S.,et al.J. Mol. Biol. 255:1-13(1996).