

Mouse Ublcp1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20225c**Specification**

Mouse Ublcp1 Blocking Peptide (Center) - Product Information

Primary Accession [Q8BGR9](#)
Other Accession [NP_077795.2](#)

Mouse Ublcp1 Blocking Peptide (Center) - Additional Information

Gene ID 79560

Other Names

Ubiquitin-like domain-containing CTD phosphatase 1, Nuclear proteasome inhibitor UBLCP1, Ublcp1

Target/Specificity

The synthetic peptide sequence is selected from aa 117-128 of MOUSE Ublcp1

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.

Mouse Ublcp1 Blocking Peptide (Center) - Protein Information

Name Ublcp1

Function

Dephosphorylates 26S nuclear proteasomes, thereby decreasing their proteolytic activity. Recruited to the 19S regulatory particle of the 26S proteasome through its interaction with 19S component PSMD2/RPN1. Once recruited, dephosphorylates 19S component PSMC2/RPT1 which impairs PSMC2 ATPase activity and disrupts 26S proteasome assembly. Has also been reported to stimulate the proteolytic activity of the 26S proteasome.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q8WVY7}. Note=Colocalizes with nuclear proteasomes {ECO:0000250|UniProtKB:Q8WVY7}

Mouse Ublcp1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

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May specifically dephosphorylate 'Ser-5' of the heptad repeats YSPTSPS in the C-terminal domain of the largest RNA polymerase II subunit (By similarity).

Mouse Ublcp1 Blocking Peptide (Center) - References

Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)

Sasaki, N., et al. Genomics 49(2):167-179(1998)