

UFC1 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP19776a**Specification**

UFC1 Blocking Peptide (N-term) - Product Information

Primary Accession [Q9Y3C8](#)
Other Accession [Q6BBI8](#), [Q9CR09](#), [Q5E953](#), [NP_057490.2](#)

UFC1 Blocking Peptide (N-term) - Additional Information

Gene ID 51506

Other Names

Ubiquitin-fold modifier-conjugating enzyme 1, Ufm1-conjugating enzyme 1, UFC1

Target/Specificity

The synthetic peptide sequence is selected from aa 17-31 of HUMAN UFC1

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.

UFC1 Blocking Peptide (N-term) - Protein Information

Name UFC1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:26941}

Function

E1-like enzyme which specifically catalyzes the second step in ufmylation (PubMed:15071506, PubMed:29868776). Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage (PubMed:15071506, PubMed:29868776). Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed:32160526).

UFC1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

UFC1 Blocking Peptide (N-term) - Images

UFC1 Blocking Peptide (N-term) - Background

UFC1 is an E2-like conjugating enzyme for ubiquitin-fold modifier-1 (UFM1; MIM 610553) (Komatsu et al., 2004 [PubMed 15071506]).

UFC1 Blocking Peptide (N-term) - References

Liu, G., et al. J. Struct. Funct. Genomics 10(2):127-136(2009)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Komatsu, M., et al. EMBO J. 23(9):1977-1986(2004)