

UBE2L3 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP19885b**Specification**

UBE2L3 Blocking Peptide (C-term) - Product Information

Primary Accession [P68036](#)
Other Accession [P68037](#), [Q3MHP1](#), [NP_003338.1](#)

UBE2L3 Blocking Peptide (C-term) - Additional Information

Gene ID 7332

Other Names

Ubiquitin-conjugating enzyme E2 L3, L-UBC, Ubch7, Ubiquitin carrier protein L3,
Ubiquitin-conjugating enzyme E2-F1, Ubiquitin-protein ligase L3, UBE2L3, UBCE7, UBCH7

Target/Specificity

The synthetic peptide sequence is selected from aa 121-135 of HUMAN UBE2L3

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.

UBE2L3 Blocking Peptide (C-term) - Protein Information

Name UBE2L3

Synonyms UBCE7, UBCH7

Function

Ubiquitin-conjugating enzyme E2 that specifically acts with HECT-type and RBR family E3 ubiquitin-protein ligases. Does not function with most RING-containing E3 ubiquitin-protein ligases because it lacks intrinsic E3-independent reactivity with lysine: in contrast, it has activity with the RBR family E3 enzymes, such as PRKN, RNF31 and ARIH1, that function like RING-HECT hybrids. Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'-linked polyubiquitination. Involved in the selective degradation of short-lived and abnormal proteins. Down-regulated during the S-phase it is involved in progression through the cell cycle. Regulates nuclear hormone receptors transcriptional activity. May play a role in myelopoiesis.

Cellular Location

Nucleus. Cytoplasm

Tissue Location

Ubiquitous, with highest expression in testis.

UBE2L3 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

UBE2L3 Blocking Peptide (C-term) - Images**UBE2L3 Blocking Peptide (C-term) - Background**

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to participate in the ubiquitination of p53, c-Fos, and the NF- κ B precursor p105 in vitro. Several alternatively spliced transcript variants have been found for this gene.

UBE2L3 Blocking Peptide (C-term) - References

Fransen, K., et al. Hum. Mol. Genet. 19(17):3482-3488(2010)
Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)
Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010)
Purbeck, C., et al. Biochemistry 49(7):1361-1363(2010)
Han, J.W., et al. Nat. Genet. 41(11):1234-1237(2009)