

EIF3L Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP19817a

Specification

EIF3L Blocking Peptide (N-term) - Product Information

Primary Accession

[O9Y262](#)

Other Accession

[O8AVJ0](#), [O8QZY1](#), [O5F428](#), [O3ZCK1](#),
[NP_057175.1](#)**EIF3L Blocking Peptide (N-term) - Additional Information**

Gene ID 51386

Other Names

Eukaryotic translation initiation factor 3 subunit L {ECO:0000255|HAMAP-Rule:MF_03011}, eIF3L {ECO:0000255|HAMAP-Rule:MF_03011}, Eukaryotic translation initiation factor 3 subunit 6-interacting protein {ECO:0000255|HAMAP-Rule:MF_03011}, Eukaryotic translation initiation factor 3 subunit E-interacting protein {ECO:0000255|HAMAP-Rule:MF_03011}, EIF3L {ECO:0000255|HAMAP-Rule:MF_03011}

Target/Specificity

The synthetic peptide sequence is selected from aa 27-40 of HUMAN EIF3L

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.

EIF3L Blocking Peptide (N-term) - Protein Information**Name** EIF3L {ECO:0000255|HAMAP-Rule:MF_03011}**Function**

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination

ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03011}.

EIF3L Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

EIF3L Blocking Peptide (N-term) - Images**EIF3L Blocking Peptide (N-term) - Background**

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EIF3L Blocking Peptide (N-term) - References

Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(47):18139-18144(2008)
Masutani, M., et al. EMBO J. 26(14):3373-3383(2007)
Damoc, E., et al. Mol. Cell Proteomics 6(7):1135-1146(2007)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)