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EDC3 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20283c

Specification

EDC3 Blocking Peptide (Center) - Product Information

Primary Accession	Q96F86
Other Accession	Q4R8V9, NP_079359.2

EDC3 Blocking Peptide (Center) - Additional Information

Gene ID 80153

Other Names
Enhancer of mRNA-decapping protein 3, LSM16 homolog, YjeF N-terminal domain-containing protein 2, YjeF_N2, hYjeF_N2, YjeF domain-containing protein 1, EDC3, LSM16, YJDC, YJEFN2

Target/Specificity
The synthetic peptide sequence is selected from aa 234-247 of HUMAN EDC3

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.

EDC3 Blocking Peptide (Center) - Protein Information

Name EDC3

Synonyms LSM16, YJDC, YJEFN2

Function
Binds single-stranded RNA. Involved in the process of mRNA degradation and in the positive regulation of mRNA decapping. May play a role in spermiogenesis and oogenesis.

Cellular Location
Cytoplasm, P-body. Note=Processing bodies (PB)

Tissue Location
Expressed in theca and granulosa cells in ovary, and in spermatids of the meiotic division part II and apical membrane of Sertoli cells in testis (at protein level). Also expressed in brain and mammary gland.

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EDC3 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

EDC3 Blocking Peptide (Center) - Images

EDC3 Blocking Peptide (Center) - Background

EDC3 is associated with an mRNA-decapping complex required for removal of the 5-prime cap from mRNA prior to its degradation from the 5-prime end (Fenger-Gron et al., 2005 [PubMed 16364915]).

EDC3 Blocking Peptide (Center) - References

Tritschler, F., et al. Mol. Cell 33(5):661-668(2009)
Ling, S.H., et al. Mol. Cell. Biol. 28(19):5965-5976(2008)
Tritschler, F., et al. Mol. Cell. Biol. 27(24):8600-8611(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Rudolph, C., et al. Horm. Metab. Res. 39(5):322-335(2007)