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SMG7 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP20918c

Specification

SMG7 Blocking Peptide (C-term) - Product Information

Primary Accession	Q92540
Other Accession	Q5RJH6

SMG7 Blocking Peptide (C-term) - Additional Information

Gene ID 9887

Other Names
Protein SMG7, EST1-like protein C, SMG-7 homolog, hSMG-7, SMG7, C1orf16, EST1C, KIAA0250

Target/Specificity
The synthetic peptide sequence is selected from aa 896-910 of HUMAN SMG7

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.

SMG7 Blocking Peptide (C-term) - Protein Information

Name SMG7 (HGNC:16792)

Function
Plays a role in nonsense-mediated mRNA decay. Recruits UPF1 to cytoplasmic mRNA decay bodies. Together with SMG5 is thought to provide a link to the mRNA degradation machinery involving exonucleolytic pathways, and to serve as an adapter for UPF1 to protein phosphatase 2A (PP2A), thereby triggering UPF1 dephosphorylation.

Cellular Location
Cytoplasm. Nucleus. Note=Predominantly cytoplasmic, and nuclear. Shuttles between nucleus and cytoplasm

SMG7 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

SMG7 Blocking Peptide (C-term) - Images

SMG7 Blocking Peptide (C-term) - Background

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SMG7 Blocking Peptide (C-term) - References

Ohnishi T.,et al.Mol. Cell 12:1187-1200(2003).
Nagase T.,et al.DNA Res. 3:321-329(1996).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).