

# **SMG7 Blocking Peptide (C-term)**

Synthetic peptide Catalog # BP20918c

# **Specification**

# SMG7 Blocking Peptide (C-term) - Product Information

Primary Accession Other Accession OSRJH6

# 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.



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# • 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).