

SETD3 Blocking Peptide(C-term)
Synthetic peptide
Catalog # BP19739B**Specification**

SETD3 Blocking Peptide(C-term) - Product Information

Primary Accession [Q86TU7](#)
Other Accession [NP_115609.2](#), [NP_954574.1](#)

SETD3 Blocking Peptide(C-term) - Additional Information

Gene ID 84193

Other Names

Histone-lysine N-methyltransferase setd3, SET domain-containing protein 3, SETD3, C14orf154

Target/Specificity

The synthetic peptide sequence is selected from aa 571-585 of HUMAN SETD3

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.

SETD3 Blocking Peptide(C-term) - Protein Information

Name SETD3

Function

Protein-histidine N-methyltransferase that specifically mediates 3-methylhistidine (tele-methylhistidine) methylation of actin at 'His-73' (PubMed:30526847, PubMed:30626964, PubMed:30785395, PubMed:31388018, PubMed:31993215). Histidine methylation of actin is required for smooth muscle contraction of the laboring uterus during delivery (PubMed:30626964). Does not have protein-lysine N- methyltransferase activity and probably only catalyzes histidine methylation of actin (PubMed:30626964, PubMed:30785395, PubMed:31388018).

Cellular Location

Cytoplasm. Nucleus Note=Localizes mainly in the cytoplasm.

SETD3 Blocking Peptide(C-term) - Protocols

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

- [Blocking Peptides](#)

SETD3 Blocking Peptide(C-term) - Images**SETD3 Blocking Peptide(C-term) - Background**

SETD3 contains 1 SET domain. The function of the SETD3 protein remains unknown. There are 3 isoforms produced by alternative splicing.

SETD3 Blocking Peptide(C-term) - References

Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001)