

TPM3 Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP21987b**Specification****TPM3 Blocking Peptide (C-Term) - Product Information**

Primary Accession [P06753](#)
Other Accession [Q5KR49](#), [P04268](#),
[P58773](#), [P13104](#),
[P09493](#), [P84335](#),
[P58771](#), [P42639](#),
[P58772](#), [P13105](#),
[P04692](#), [Q01173](#),
[Q5KR47](#), [A1XQV4](#)

TPM3 Blocking Peptide (C-Term) - Additional Information**Gene ID** 7170**Other Names**

Tropomyosin alpha-3 chain,
Gamma-tropomyosin, Tropomyosin-3,
Tropomyosin-5, hTM5, TPM3

Target/Specificity

The synthetic peptide sequence is selected from aa 265-276 of HUMAN TPM3

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.

TPM3 Blocking Peptide (C-Term) - Protein Information**Name** TPM3**TPM3 Blocking Peptide (C-Term) - Background**

Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

TPM3 Blocking Peptide (C-Term) - References

Reinach F.C., et al. Nature 322:648-650(1986).
McLeod A.R., et al. Nucleic Acids Res. 14:8413-8426(1986).
Clayton L., et al. J. Mol. Biol. 201:507-515(1988).
Lin J.J.-C., et al. Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
Gregory S.G., et al. Nature 441:315-321(2006).

Function

Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

Cellular Location

Cytoplasm, cytoskeleton.

**TPM3 Blocking Peptide (C-Term) -
Protocols**

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

- [Blocking Peptides](#)