

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

Synthetic peptide

Catalog # BP21987b

**Specification**

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**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**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](#)

#### **TPM3 Blocking Peptide (C-Term) - Images**

#### **TPM3 Blocking Peptide (C-Term) - Background**

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#### **TPM3 Blocking Peptide (C-Term) - References**

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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).