

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

Synthetic peptide Catalog # BP21987b

### **Specification**

# TPM3 Blocking Peptide (C-Term) - Product Information

Primary Accession
Other Accession
Other Accession

P06753
O5KR49, P04268,
P58773, P13104,
P09493, P84335,
P58771, P42639,
P58772, P13105,
P04692, Q01173,
O5KR47, A1XOV4

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

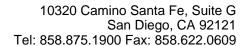
Name TPM3

# 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