

**CHRM3 Blocking Peptide (C-Term)**

Synthetic peptide

Catalog # BP22122b

**Specification**

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**CHRM3 Blocking Peptide (C-Term) - Product Information**

Primary Accession

[P20309](#)

Other Accession

[Q9N2A3](#), [Q9N2A4](#)**CHRM3 Blocking Peptide (C-Term) - Additional Information****Gene ID** 1131**Other Names**

Muscarinic acetylcholine receptor M3, CHRM3

**Target/Specificity**

The synthetic peptide sequence is selected from aa 402-416 of HUMAN CHRM3

**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.

**CHRM3 Blocking Peptide (C-Term) - Protein Information****Name** CHRM3**Function**

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Colocalizes with TMEM147 in the endoplasmic reticulum (ER) membrane. TMEM147 impairs its trafficking to the cell membrane leading to its retention in the ER membrane

**CHRM3 Blocking Peptide (C-Term) - Protocols**

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

- [Blocking Peptides](#)

#### **CHRM3 Blocking Peptide (C-Term) - Images**

#### **CHRM3 Blocking Peptide (C-Term) - Background**

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#### **CHRM3 Blocking Peptide (C-Term) - References**

Peralta E.G.,et al.EMBO J. 6:3923-3929(1987).  
Bonner T.I.,et al.Neuron 1:403-410(1988).  
Kitano T.,et al.Mol. Biol. Evol. 21:936-944(2004).  
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G.,et al.Nature 441:315-321(2006).