

**CHRM3 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP22121c****Specification**

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**CHRM3 Blocking Peptide (Center) - Product Information**

Primary Accession [P20309](#)  
Other Accession [P41984](#), [P49578](#), [Q9N2A3](#), [Q9ERZ3](#), [Q9N2A4](#),  
[P11483](#), [Q9N2A2](#), [P08483](#)

**CHRM3 Blocking Peptide (Center) - Additional Information**

**Gene ID** 1131

**Other Names**

Muscarinic acetylcholine receptor M3, CHRM3

**Target/Specificity**

The synthetic peptide sequence is selected from aa 253-264 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 (Center) - 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 (Center) - Protocols**

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

- [Blocking Peptides](#)

## **CHRM3 Blocking Peptide (Center) - Images**

## **CHRM3 Blocking Peptide (Center) - Background**

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.

## **CHRM3 Blocking Peptide (Center) - 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).