



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

Synthetic peptide Catalog # BP22122b

## **Specification**

CHRM3 Blocking Peptide (C-Term) - Product Information

Primary Accession P20309
Other Accession O9N2A3, O9N2A4

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

# CHRM3 Blocking Peptide (C-Term) - Background

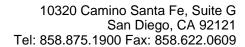
The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.

## CHRM3 Blocking Peptide (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).





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#### **Cellular Location**

Cell membrane; Multi-pass membrane protein. Cell junction, synapse, 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