

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

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).

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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 (Center) - Protocols

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

- [Blocking Peptides](#)