

MC3R Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21431b**Specification**

MC3R Blocking Peptide (C-term) - Product InformationPrimary Accession [P41968](#)**MC3R Blocking Peptide (C-term) - Additional Information****Gene ID** 4159**Other Names**

Melanocortin receptor 3, MC3-R, MC3R

Target/Specificity

The synthetic peptide sequence is selected from aa 301-315 of HUMAN MC3R

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.

MC3R Blocking Peptide (C-term) - Protein Information**Name** MC3R**Function**

Receptor for MSH (alpha, beta and gamma) and ACTH. This receptor is mediated by G proteins which activate adenylate cyclase. Required for expression of anticipatory patterns of activity and wakefulness during periods of limited nutrient availability and for the normal regulation of circadian clock activity in the brain.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Brain, placental, and gut tissues.

MC3R Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

MC3R Blocking Peptide (C-term) - Images

MC3R Blocking Peptide (C-term) - Background

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MC3R Blocking Peptide (C-term) - References

Gantz I., et al. J. Biol. Chem. 268:8246-8250(1993).
Kopatz S.A., et al. Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Deloukas P., et al. Nature 414:865-871(2001).
Tarnow P., et al. Obes. Facts 5:45-51(2012).
Lee Y.-S., et al. J. Clin. Endocrinol. Metab. 87:1423-1426(2002).