

HTR2C Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21341c**Specification**

HTR2C Blocking Peptide (Center) - Product InformationPrimary Accession [P28335](#)**HTR2C Blocking Peptide (Center) - Additional Information**

Gene ID 3358

Other Names

5-hydroxytryptamine receptor 2C, 5-HT-2C, 5-HT2C, 5-HTR2C, 5-hydroxytryptamine receptor 1C, 5-HT-1C, 5-HT1C, Serotonin receptor 2C, HTR2C, HTR1C

Target/Specificity

The synthetic peptide sequence is selected from aa 274-288 of HUMAN HTR2C

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.

HTR2C Blocking Peptide (Center) - Protein InformationName HTR2C ([HGNC:5295](#))

Synonyms HTR1C

Function

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including ergot alkaloid derivatives, 1-2,5,-dimethoxy-4-iodophenyl-2-aminopropane (DOI) and lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling activates a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and down-stream signaling cascades and promotes the release of Ca(2+) ions from intracellular stores. Regulates neuronal activity via the activation of short transient receptor potential calcium channels in the brain, and thereby modulates the activation of pro-opiomelanocortin neurons and the release of CRH that then regulates the release of corticosterone. Plays a role in the regulation of appetite and eating behavior, responses to

anxiogenic stimuli and stress. Plays a role in insulin sensitivity and glucose homeostasis.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain..

HTR2C Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

HTR2C Blocking Peptide (Center) - Images**HTR2C Blocking Peptide (Center) - Background**

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HTR2C Blocking Peptide (Center) - References

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Xie E.,et al.Genomics 35:551-561(1996).
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