

HTR1A Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20616c**Specification**

HTR1A Blocking Peptide (Center) - Product InformationPrimary Accession [P08908](#)**HTR1A Blocking Peptide (Center) - Additional Information****Gene ID** 3350**Other Names**

5-hydroxytryptamine receptor 1A, 5-HT-1A, 5-HT1A, G-21, Serotonin receptor 1A, HTR1A, ADRB2RL1, ADRBRL1

Target/Specificity

The synthetic peptide sequence is selected from aa 239-253 of HUMAN HTR1A

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.

HTR1A Blocking Peptide (Center) - Protein Information**Name** HTR1A**Synonyms** ADRB2RL1, ADRBRL1**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli.

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, dendrite
{ECO:0000250|UniProtKB:P19327}

Tissue Location

Detected in lymph nodes, thymus and spleen. Detected in activated T-cells, but not in resting T-cells

HTR1A Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

HTR1A Blocking Peptide (Center) - Images**HTR1A Blocking Peptide (Center) - Background**

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HTR1A Blocking Peptide (Center) - References

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Saltzman A.G., et al. Submitted (FEB-1991) to the EMBL/GenBank/DDBJ databases.
Levy F.O., et al. Submitted (MAY-1992) to the EMBL/GenBank/DDBJ databases.
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.