

TSHR Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21182c**Specification**

TSHR Blocking Peptide (Center) - Product InformationPrimary Accession [P16473](#)**TSHR Blocking Peptide (Center) - Additional Information****Gene ID** 7253**Other Names**

Thyrotropin receptor, Thyroid-stimulating hormone receptor, TSH-R, TSHR, LGR3

Target/Specificity

The synthetic peptide sequence is selected from aa 217-232 of HUMAN TSHR

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.

TSHR Blocking Peptide (Center) - Protein Information**Name** TSHR**Synonyms** LGR3**Function**

Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin (PubMed:11847099, PubMed:12045258). Also acts as a receptor for the heterodimeric glycoprotein hormone (GPHA2:GPHB5) or thyrostimulin (PubMed:12045258). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:11847099). Plays a central role in controlling thyroid cell metabolism (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in thyroid cells (at protein level) (PubMed:11847099). Expressed in the thyroid (PubMed:2610690)

TSHR Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

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

Receptor for thyrotropin. Plays a central role in controlling thyroid cell metabolism. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Also acts as a receptor for thyrostimulin (GPA2+GPB5).

TSHR Blocking Peptide (Center) - References

Nagayama Y., et al. Biochem. Biophys. Res. Commun. 165:1184-1190(1989).
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Misrahi M., et al. Biochem. Biophys. Res. Commun. 166:394-403(1990).
Frazier A.L., et al. Mol. Endocrinol. 4:1264-1276(1990).
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