10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TSHR Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21182c

Specification

TSHR Blocking Peptide (Center) - Product Information

Primary 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 thyroide 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 thyrothropin. 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).
Libert F.,et al.Biochem. Biophys. Res. Commun. 165:1250-1255(1989).
Misrahi M.,et al.Biochem. Biophys. Res. Commun. 166:394-403(1990).
Frazier A.L.,et al.Mol. Endocrinol. 4:1264-1276(1990).
Graves P.N.,et al.Biochem. Biophys. Res. Commun. 187:1135-1143(1992).