

RXFP1 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP19927B**Specification****RXFP1 Blocking Peptide (C-term) - Product Information**Primary Accession [Q9HBX9](#)
Other Accession [NP_067647.2](#)**RXFP1 Blocking Peptide (C-term) - Additional Information**

Gene ID 59350

Other Names

Relaxin receptor 1, Leucine-rich repeat-containing G-protein coupled receptor 7, Relaxin family peptide receptor 1, RXFP1, LGR7

Target/Specificity

The synthetic peptide sequence is selected from aa 700-713 of HUMAN RXFP1

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.

RXFP1 Blocking Peptide (C-term) - Protein Information

Name RXFP1

Synonyms LGR7

Function

Receptor for relaxins. The activity of this

RXFP1 Blocking Peptide (C-term) - Background

Receptor for relaxins. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. Binding of the ligand may also activate a tyrosine kinase pathway that inhibits the activity of a phosphodiesterase that degrades cAMP.

RXFP1 Blocking Peptide (C-term) - ReferencesHalls, M.L., et al. EMBO J. 29(16):2772-2787(2010)
Singh, S., et al. Mol. Cell. Endocrinol. 315 (1-2), 239-245 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Feng, S., et al. Ann. N. Y. Acad. Sci. 1160, 379-380 (2009) :
Li, Z., et al. Ann. N. Y. Acad. Sci. 1160, 374-378 (2009) :

receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. Binding of the ligand may also activate a tyrosine kinase pathway that inhibits the activity of a phosphodiesterase that degrades cAMP.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in the brain, kidney, testis, placenta, uterus, ovary, adrenal, prostate, skin and heart. Not detected in spleen.

**RXFP1 Blocking Peptide (C-term) -
Protocols**

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

- [Blocking Peptides](#)