10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

TACR1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21328b

Specification

TACR1 Blocking Peptide (C-term) - Product Information

Primary Accession P25103

TACR1 Blocking Peptide (C-term) - Additional Information

Gene ID 6869

Other Names
Substance-P receptor, SPR, NK-1 receptor, NK-1R, Tachykinin receptor 1, TACR1, NK1R, TAC1R

Target/Specificity
The synthetic peptide sequence is selected from aa 363-377 of HUMAN TACR1

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.

TACR1 Blocking Peptide (C-term) - Protein Information

Name TACR1

Synonyms NK1R, TAC1R

Function
This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a

TACR1 Blocking Peptide (C-term) - Background

This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.

TACR1 Blocking Peptide (C-term) - References

Takeda Y.,et al.Biochem. Biophys. Res. Commun. 179:1232-1240(1991).
Hopkins B.,et al.Biochem. Biophys. Res. Commun. 180:1110-1117(1991).
Gerard N.P.,et al.Biochemistry 30:10640-10646(1991).
Takahashi K.,et al.Eur. J. Biochem. 204:1025-1033(1992).
Fong T.M.,et al.Mol. Pharmacol. 41:24-30(1992).

phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.

Cellular Location
Cell membrane; Multi-pass membrane protein.

TACR1 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides