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SSTR1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21173a

Specification

SSTR1 Blocking Peptide (C-term) - Product Information

Primary Accession P30872

SSTR1 Blocking Peptide (C-term) - Additional Information

Gene ID 6751

Other Names
Somatostatin receptor type 1, SS-1-R, SS1-R, SS1R, SRIF-2, SSTR1

Target/Specificity
The synthetic peptide sequence is selected from aa 367-383 of HUMAN SSTR1

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.

SSTR1 Blocking Peptide (C-term) - Protein Information

Name SSTR1

Function
Receptor for somatostatin with higher affinity for somatostatin-14 than -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and Na(+)/H(+) exchanger via pertussis toxin insensitive G proteins.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach

SSTR1 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

SSTR1 Blocking Peptide (C-term) - Images

SSTR1 Blocking Peptide (C-term) - Background

Receptor for somatostatin with higher affinity for somatostatin-14 than -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and Na(+)/H(+) exchanger via pertussis toxin insensitive G proteins.

SSTR1 Blocking Peptide (C-term) - References

Yamada Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:251-255(1992).
Kopatz S.A.,et al.Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
Schwaerzler A.,et al.J. Biol. Chem. 275:9557-9562(2000).