

RGS3 Blocking Peptide (N-Term)
Synthetic peptide
Catalog # BP21810a**Specification**

RGS3 Blocking Peptide (N-Term) - Product Information

Primary Accession [P49796](#)

RGS3 Blocking Peptide (N-Term) - Additional Information

Gene ID 5998

Other Names

Regulator of G-protein signaling 3, RGP3, RGS3, RGS3

Target/Specificity

The synthetic peptide sequence is selected from aa 293-307 of HUMAN RGS3

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.

RGS3 Blocking Peptide (N-Term) - Protein Information

Name RGS3

Function

Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G-protein-mediated release of inositol phosphates and activation of MAP kinases.

Cellular Location

Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Note=Long isoforms are cytoplasmic and associated with the plasma membrane (PubMed:9858594). Short isoforms are nuclear (PubMed:10749886)

RGS3 Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

RGS3 Blocking Peptide (N-Term) - Images

RGS3 Blocking Peptide (N-Term) - Background

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RGS3 Blocking Peptide (N-Term) - References

Druey K.M., et al. Nature 379:742-746(1996).
Kehrl J.H., et al. Genomics 79:860-868(2002).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Chatterjee T.K., et al. Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
Puhl H.L. III, et al. Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.