

RAPGEF1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21422c**Specification**

RAPGEF1 Blocking Peptide (Center) - Product InformationPrimary Accession [Q13905](#)**RAPGEF1 Blocking Peptide (Center) - Additional Information****Gene ID** 2889**Other Names**

Rap guanine nucleotide exchange factor 1, CRK SH3-binding GNRP, Guanine nucleotide-releasing factor 2, Protein C3G, RAPGEF1, GRF2

Target/Specificity

The synthetic peptide sequence is selected from aa 536-549 of HUMAN RAPGEF1

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.

RAPGEF1 Blocking Peptide (Center) - Protein Information**Name** RAPGEF1**Synonyms** GRF2**Function**

Guanine nucleotide-releasing protein that binds to SH3 domain of CRK and GRB2/ASH. Transduces signals from CRK to activate RAS. Involved in cell branching and adhesion mediated by BCAR1-CRK-RAPGEF1 signaling and activation of RAP1 (PubMed:12432078). Plays a role in the establishment of basal endothelial barrier function. Plays a role in nerve growth factor (NGF)-induced sustained activation of Rap1 and neurite outgrowth.

Cellular Location

Early endosome.

Tissue Location

Ubiquitously expressed in adult and fetus. Expression is high in adult skeletal muscle and placenta

and in fetal brain and heart. Low levels of expression in adult and fetal liver

RAPGEF1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

RAPGEF1 Blocking Peptide (Center) - Images

RAPGEF1 Blocking Peptide (Center) - Background

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RAPGEF1 Blocking Peptide (Center) - References

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