

RASGRP2 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP21681a**Specification**

RASGRP2 Blocking Peptide (N-term) - Product InformationPrimary Accession [Q7LDG7](#)**RASGRP2 Blocking Peptide (N-term) - Additional Information****Gene ID** 10235**Other Names**

RAS guanyl-releasing protein 2, Calcium and DAG-regulated guanine nucleotide exchange factor I, CalDAG-GEFI, Cdc25-like protein, hCDC25L, F25B33 kinase-like protein, RASGRP2, CDC25L, MCG7

Target/Specificity

The synthetic peptide sequence is selected from aa 128-142 of HUMAN RASGRP2

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.

RASGRP2 Blocking Peptide (N-term) - Protein Information**Name** RASGRP2**Synonyms** CDC25L, MCG7**Function**

Functions as a calcium- and DAG-regulated nucleotide exchange factor specifically activating Rap through the exchange of bound GDP for GTP. May also activate other GTPases such as RRAS, RRAS2, NRAS, KRAS but not HRAS. Functions in aggregation of platelets and adhesion of T-lymphocytes and neutrophils probably through inside-out integrin activation. May function in the muscarinic acetylcholine receptor M1/CHRM1 signaling pathway.

Cellular Location

Cytoplasm, cytosol. Cell membrane; Peripheral membrane protein. Synapse, synaptosome. Cell projection, ruffle membrane; Peripheral membrane protein. Note=Found both in the cytosol and associated with membranes. Isoform 2 mainly localizes to the cell membrane. Enriched at juxtamembrane areas and membrane ruffles through association with F- actin. Localizes to the cell bodies and axons of striatal neurons (By similarity).

Tissue Location

Detected in platelets, neutrophils and T lymphocytes (at protein level). Expressed in brain where it is enriched in the striatum. Also expressed in the hematopoietic system. Detected in heart, brain, lung, placenta, liver, skeletal muscle and kidney

RASGRP2 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

RASGRP2 Blocking Peptide (N-term) - Images**RASGRP2 Blocking Peptide (N-term) - Background**

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RASGRP2 Blocking Peptide (N-term) - References

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