



#### RAC2 Blocking Peptide (C-term)

Synthetic peptide Catalog # BP21363b

#### **Specification**

**RAC2 Blocking Peptide (C-term) - Product Information** 

Primary Accession <u>P15153</u>

RAC2 Blocking Peptide (C-term) - Additional Information

**Gene ID 5880** 

#### **Other Names**

Ras-related C3 botulinum toxin substrate 2, GX, Small G protein, p21-Rac2, RAC2

#### **Target/Specificity**

The synthetic peptide sequence is selected from aa 178-188 of HUMAN RAC2

#### **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.

RAC2 Blocking Peptide (C-term) - Protein Information

#### Name RAC2

#### **Function**

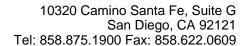
Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytose of

# RAC2 Blocking Peptide (C-term) - Background

Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytose of apoptotic cells and epithelial cell polarization. Augments the production of reactive oxygen species (ROS) by NADPH oxidase.

### RAC2 Blocking Peptide (C-term) - References

Didsbury J., et al.J. Biol. Chem. 264:16378-16382(1989). Puhl H.L. III, et al. Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases. Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004). Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Dunham I., et al. Nature 402:489-495(1999).





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# **Cellular Location**Cytoplasm. Note=Membrane-associated when activated

**Tissue Location** Hematopoietic specific.

## RAC2 Blocking Peptide (C-term) - Protocols

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

• Blocking Peptides