

RGS20 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20629c**Specification**

RGS20 Blocking Peptide (Center) - Product InformationPrimary Accession [O76081](#)**RGS20 Blocking Peptide (Center) - Additional Information****Gene ID** 8601**Other Names**

Regulator of G-protein signaling 20, RGS20, Gz-selective GTPase-activating protein, G(z)GAP, Gz-GAP, Regulator of G-protein signaling Z1, Regulator of Gz-selective protein signaling 1, RGS20, RGSZ1, ZGAP1

Target/Specificity

The synthetic peptide sequence is selected from aa 150-164 of HUMAN RGS20

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.

RGS20 Blocking Peptide (Center) - Protein Information**Name** RGS20**Synonyms** RGSZ1, ZGAP1**Function**

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)- i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins (By similarity).

Cellular Location

Membrane; Lipid-anchor. Nucleus. Cytoplasm. Note=Shuttles between the cytoplasm/cell membrane and the nucleus Anchored to the membrane through palmitoylation.

Tissue Location

Isoform 5 is expressed in brain at high levels in the caudate nucleus and temporal lobe

RGS20 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

RGS20 Blocking Peptide (Center) - Images

RGS20 Blocking Peptide (Center) - Background

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RGS20 Blocking Peptide (Center) - References

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