

Datasheet for ABIN7551407  
**RGS20 Protein (AA 1-388) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RGS20
Protein Characteristics:	AA 1-388
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS20 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RGS20 Protein expressed in mammalian cells.
Sequence:	<p>MPQLSQDNQE CLQKHFSRPS IWTQFLPLFR ACRYNTDIHQ ITENEGDLRA VPDIKSFPPA</p> <p>QLPDSPAAPK LFGLLSPLS SLARFFSHLL RRPPEAPRR RLDFSPLLP LPAARLSRGH</p> <p>EELPGRLSLL LGAALALPGR PSGGRPLRPP HPVAKPREED ATAGQSSPMP QMGSERMEMR</p> <p>KRQMPAAQDT PGAAPGQPGA GSRGSNACCF CWCCCCSCSC LTVRNQEDQR PTIASHELRA</p> <p>DLPTWEESPA PTLEEVNAWA QSFDKLMVTP AGRNAFREFL RTEFSEENML FWMACEELKK</p> <p>EANKNIIEEK ARIIYEDYIS ILSPKEVSLD SRVREVINRN MVEPSQHIFD DAQLQIYTLM</p> <p>HRDSYPRFMN SAVYKDLLQS LSEKSIEA</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	RGS20
Alternative Name:	RGS20 ( <a href="#">RGS20 Products</a> )
Background:	<p>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),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). {ECO:0000250, ECO:0000269 PubMed:12379657}.</p>
Molecular Weight:	43.7 kDa
UniProt:	<a href="#">076081</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months