

Datasheet for ABIN7564570

## RGS12 Protein (AA 1-1381) (His tag)



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### Overview

Quantity:	1 mg
Target:	RGS12
Protein Characteristics:	AA 1-1381
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS12 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Rgs12 Protein expressed in mammalian cells.
Sequence:	<p>MYRAGEPGKR QPGPAPPRVR SVEVARGRAG YGFTLSGQAP CVLSCVMRGS PADFVGLRAG</p> <p>DQILAINEN VVKASHEDVV KLIGKCSGVL HMVIAEGTSH VESSSDEEG GLYEGKGWLR</p> <p>PKLDSKALGI NRAERVVEEV QSGGIFNMIF ESSSLCASGP EPLKCLKRSL SESAALRLDA</p> <p>GQAGLCAPHP SMLSKEDISK VINDDSVFTV GLDSHDDFGL DASILNVAMV VGYLGSIELP</p> <p>STSSNLEHDS LQAIRGCMRR LRAEQKIHS VTMKVMHDCV QLVTDRAQV AEYPAEKLA</p> <p>SAVCPDDRRF FGLVTMQTND DGGLAQEEDG ALRTSCHVFM VDPDLFHHKI HQGIARRFG</p> <p>ACTADPDTSG CLEFPASSLP VLQFISVLYR DMGELIEGVR ARAFLDGDAD AHQNNSTSSN</p> <p>SDSGIGNFNQ EEKSNRVLVV DLGGGSSRHG QGSSPGWESG GGRGSQPWSA PWNGAFCHDS</p> <p>EAGSPLETSP NTRDFWDLTK HSGPVSHMEV PPATLRSSIP PSKRGAGSS CGFNQRWLPV</p> <p>HVLQEWQCGH ASDQESYTD TDGWSSVNCG TLPPPMSKIP ADYRVEGSF AQAPLSTQKR</p> <p>DWSRKAFGMQ NLFGPHRNVR KTKEDKKSSK LGRGVALAQT SQRTSARRSF GRSRRFSITR</p> <p>SLDDLESATV SDGELTGADL KDCISNNSLS SNASLPSVQS CRRLRERRVA SWAVSFERLL</p>

QDPVGVRYFS DFLRKEFSEE NILFWQACEC FSHVPAHDKK ELSYRAREIF SKFLCSKATT  
PVNIDSQAQL ADDILNAPHP DMFKEQQLQI FNLMKFDSYT RFLKSQLYQE CVLAEVEGRT  
LPDSQQVPSS PASKHSISSD HSNVSTPKKL SGKSKSGRSL NEDVGEEDSE KKRRGAFFSW  
SRSRSTGRSQ KKKDHGDHAH DAPHANGGLC RRESQGSVSS AGSLDLSEAC RTSALEKDKA  
AKHCCVHLPD GTSCVVAVKS GFSIKEILSG LCERHGINGA AVDLFLVGGD KPLVLHQDSS  
ILATRDRLRLE KRTLFRDLV PINRSVGLKA KPTKPVTEVL RPVVAKYGLD LGSLLVRLSG  
EKEPLDLGAP ISSLDGQRFV LEERDPSRGK VSTDKQKGAP VKQNSAVNSS PRNHLAMGEE  
RTLKGKNSIK IRGENGKSAR DPRLSKREES IAKIGKKKYQ KINLDEAEFF FELISKAQSN  
RADDQRGLLR KEDLVLPEFL RLPAGSSELA LSSPPPVKGY SKRAVTGHGQ EGAAQTEESY  
SDSPATSPAS AQSPCSAYSP GSAHSPGSAH STPGPPGTTQ PGEKPTKPSC VSMVQEGTTQ  
AWRRLSPEME AGGIQTVEDE QVADLTLMGE GDISSPNSTL LPPPPTPQDT PGPPRPGTSR F

**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.**

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.
Characteristics:	<p>Key Benefits:</p> <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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	RGS12
Alternative Name:	Rgs12 ( <a href="#">RGS12 Products</a> )
Background:	Regulator of G-protein signaling 12 (RGS12),FUNCTION: Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. {ECO:0000250 UniProtKB:O08774}.
Molecular Weight:	149.6 kDa
UniProt:	<a href="#">Q8CGE9</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

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

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