

Datasheet for ABIN7555182
RGS3 Protein (AA 1-1198) (His tag)



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Overview

Quantity:	1 mg
Target:	RGS3
Protein Characteristics:	AA 1-1198
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RGS3 Protein expressed in mammalian cells.
Sequence:	MPVIPALWEV EMGRSQGQEI ETILANRSHS DSTPLPNFLS GSHRPECCTC RLLTASGAQD SLPFGRRLYS GPWRSCEEVC HVSVLSVLST SCGLSLSLPI FPGWMEWLSP DIALPRRDEW TQTSPARKRI THAKVQGAGQ LRLSIDAQDR VLLLHIIEGK GLISKQPGTC DPYVKISLIP EDSRLRHQKT QTVPDCRDPA FHEHFFFPVQ EEDDQKRLLV TVWNRASQSR QSGLIGCMSF GVKSLTPDK EISGWYLLG EHLGRTKHLK VARRRLRPLR DPLLRLMPGGG DTENGKCLKI TIPRGKDGFG FTICCDSPVR VQAVDSGGPA ERAGLQQLDT VLQLNERPVE HWKCVELAHE IRSCPSEIIL LVWRMVPQVK PGPDGGVLR ASCKSTHDLQ SPPNKREKNC THGVQARPEQ RHSHLVCDS SDGLLLGGWE RYTEVAKRGG QHTLPALSRA TAPTPNYII LAPLNPGSQL LRPVYQEDTI PEESGSPSKG KSYTGLGKKS RLMKTVQTMK GHGNYQNCPV VRPHATHSSY GTYVTLAPKV LVFPVQVQPL DLCNPARTLL LSEELLYEG RNKAAEVLTF AYSLLLLFTK EDEPGRCDVL RNPLYLQSVK LQEGSSEDLK FCVLYLAEKA ECLFTLEAHS QEKKRVCWC LSENIKQQQ LAASPPDSKM FETEADKRE MALEEGKGGP AEDSPPSKEP SPGQELPPGQ

Product Details

DLPPNKDSPS GQEPAPSQEP LSSKDSATSE GSPPGPDAPP SKDVPPCQEP PPAQDLSPCQ
DLPAGQEPLP HQDPLLTKDL PAIQESPTRD LPPCQDLPPS QVSLPAKALT EDTMSSGDLL
AATGDPPAAP RPAFVIPEVR LDSTYSQKAG AEQGCSGDEE DAEAAEEVEE GEEGEEDEDE
DTSDDNYSER SEAKRSSMIE TGQGAEGGLS LRVQNSLRRL THSEGSLLQE PRGPCFASDT
TLHCSDGEGA ASTWGMPPSPS TLKKELGRNG GSMHHLSLFF TGHRKMSGAD TVGDDDEASR
KRKSKNLAKD MKNKLGIFRR RNESPGAPPA GKADKMMKSF KPTSEEALKW GESLEKLLVH
KYGLAVFQAF LRTEFSEENL EFWLACEDFK KVKSQSKMAS KAKKIFAEYI AIQACKEVNL
DSYTREHTKD NLQSVTRGCF DLAQKRIFGL MEKDSYPRFL RSDLYLDLIN QKKMSPPL **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: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: RGS3

Alternative Name: RGS3 ([RGS3 Products](#))

Target Details

Background:	Regulator of G-protein signaling 3 (RGP3) (RGS3),FUNCTION: Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G-protein-mediated release of inositol phosphates and activation of MAP kinases. {ECO:0000269 PubMed:10749886, ECO:0000269 PubMed:11294858, ECO:0000269 PubMed:8602223, ECO:0000269 PubMed:9858594}.
Molecular Weight:	132.3 kDa
UniProt:	P49796
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling

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