

Datasheet for ABIN7565013
RGS3 Protein (AA 1-966) (His tag)



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Overview

Quantity:	1 mg
Target:	RGS3
Protein Characteristics:	AA 1-966
Origin:	Mouse
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:	<p>MNRFNGLCKV CSERRYRQIT IRRGKDGFGF TICCDSPVRV QAVDSGGPAE RAGLQQLDTV LQLNERPVEH WKCVELAHEI RSCPSEIILL VWRVVPQIKP GPDGGVLRRA SCKSTHDLLS PPNKREKNCT HGAPVRPEQR HSCHLVCDSS DGLLLGGWER YTEVGKRSGQ HTLPALSRTT TPTDPNYIIL APLNPGSPLL RPVYQEDTIP EEPGTTTKGK SYTGLGKKSRLMKTVQTMKG HSNYQDCSAL RPHIPHSSYG TYVTLAPKVL VFPVQPLD LCNPARTLLL SEELLYEGR NKTSQVTLFA YSDLLLFTKE EEPGRCDVLR NPLYLQSVKL QEGSSEDLKF CVLYLAEKAE CLFTLEAHSQ EQKKRVCWCL SENIAKQQQL AAPPTERKMF ETEADEKEMP LVEGKGPAGE EPAPSKNPSP GQELPPGQDL PPSKDPSPSQ ELPAGQDLPP SKDPSPSQEL PAGQDLPPSK DPSPSQELPV GQDLPPRKDS SGQEAAPGPE SPSEDIATC PKPPQSPETS TSKDSPPGQG SSPTTELPSC QGLPAGQEST SQDPLLSQEP PVIPESSASV QKRLPSQESP SSLGSLPEKD LAEQTISSGE PPVATGAVLP ASRPNFVIPE VRLDNAYSQQL DGAHGGSSGE DEDAEEGEEG GEGEEDDEDD TSDDNYGDRS EAKRSSLIET GQGAEGGFSL RVQNSLRRRT HSEGSLLQES</p>

Product Details

RGPCFASDTT LHCS DGEGAT STWAIPSPRT LKKELGRNGG SMHHLSLFFT GHRKMSGTDL
TECDEASRKR KSKNIAKDMK NKLAIFRRRN ESPGAQPASK TDKTTKSFKP TSEEALKWSE
SLEKLLLHKY GLEVFQAFLR TEFSEENLEF WLACEDFKKV KSQSKMAAKA KKIFAEFIAI
QACKEVNLDS YTREHTKENL QSITRGCFDL AQKRIFGLME KDSYPRFLRS DLYLDLINQK KMSPPPL

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](#))

Background: Regulator of G-protein signaling 3 (RGS3) (C2PA),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:11301003,

Target Details

ECO:0000269|PubMed:12210723}.

Molecular Weight: 106.2 kDa

UniProt: [Q9DC04](#)

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