

Datasheet for ABIN7555211
RGS12 Protein (AA 1-1447) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RGS12
Protein Characteristics:	AA 1-1447
Origin:	Human
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:	MFRAGEASKR PLPGSPPPRV RSVEVARGRA GYGFTLSGQA PCVLSCVMRG SPADFVGLRA GDQILAVNEI NVKKASHEDV VKLIGKCSGV LHMVIAEGVG RFESCSSDEE GGLYEGKGWL KPKLDSKALG INRAERVVEE MQSGGIFNMI FENPSLCASN SEPLKCLKRS LSESAATRFD VGHEINNNPN PNMLSKEEIS KVIHDDSVFS IGLESHDDFA LDASILNVAM IVGYLGSIEL PSTSSNLESD SLQAIRGCMR RLRAEQKIHS LVTMKIMHDC VQLSTDKAGV VAEYPAEKLA FSAVCPDDRR FFGLVTMQTN DDGSLAQEEE GALRTSCHVF MVDPDFLNHK IHQGIARRFG FECTADPDTN GCLEFPASSL PVLQFISVLY RDMGELIEGM RARAFLDGDA DAHQNNSTSS NSDSGIGNFH QEEKSNRVLV VDLGGSSSRH GPGGSAWDGV GGRGAQPWGA PWTGPFCPDP EGSPPFEEAH QTDRFWDLNK HLGPAASPVEV PPASLRSSVP PSKRGTVGAG CGFNQRWLPV HVLREWQCGH TSDQDSYTDS TDGWSSINCG TLPPPMSKIP ADYRVEGSF AQPPLNAPKR EWSRKAFGMQ SIFGPHRNVR KTKEDKKGSK FGRGTGLTQP SQRTSARRSF GRSKRFSITR SLDDLESATV SDGELTGADL KDCVSNNSLS SNASLPSVQS CRRLRERRVA SWAVSFERLL

QDPVGVRYFS DFLRKEFSEE NILFWQACEY FNHVP AHDKK ELSYRAREIF SKFLCSKATT
PVNIDSQAQL ADDVLRAPHP DMFKEQQLQI FNLMKFDSYT RFLKSPLYQE CILAEVEGRA
LPDSQQVPSS PASKHSLGSD HSSVSTPKKL SGKSKSGRSL NEELGDEDSE KKRKGAFFSW
SRTRSTGRSQ KKREHGDHAD DALHANGGLC RRESQGSVSS AGSLDLSEAC RTLAPEKDKA
TKHCCIHLPD GTSCVVAVKA GFSIKDILSG LCERHGINGA AADLFLVGGD KPLVLHQDSS
ILESRLDLRLE KRTLFRDLV PINRSVGLKA KPTKPVTEVL RPVVARYGLD LSGLLVRLSG
EKEPLDLGAP ISSLDGQRVV LEEKDPSRGK ASADKQKGVP VKQNTAVNSS SRNHSATGEE
RTLKGKNSIK IKGENGKNAR DPRLSKREES IAKIGKKKYQ KINLDEAEFF FELISKAQSN
RADDQRGLLR KEDLVLPEFL RLPPGSTELT LPTPAAVAKG FSKRSATGNG RESASQPGEQ
WEPVQESSDS PSTSPGSASS PPGPPGTTTP GQKSPSGPFC TPQSPVSLAQ EGTAQIWKRQ
SQEVEAGGIQ TVEDEHVAEL TLMGEGDISS PNSTLLPPPS TPQEVPGPSR PGSGTHGSRD
LPVNRIIDVD LVTGSAPGRD GGIAGAAQAGP GRSQASGGPP TSDLPLGLGPV PGEPAPKPKTS
AHHATFV **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:	RGS12
Alternative Name:	RGS12 (RGS12 Products)
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}., FUNCTION: [Isoform 5]: Behaves as a cell cycle-dependent transcriptional repressor, promoting inhibition of S-phase DNA synthesis. {ECO:0000269 PubMed:12024043}.
Molecular Weight:	156.4 kDa
UniProt:	O14924
Pathways:	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