

Product datasheet for **RG239957**

RGS3 (NM_001282923) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | RGS3 (NM_001282923) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | RGS3 |
| Synonyms: | C2PA; RGP3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG239957 representing NM_001282923. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCAGGACCGGGTTCTGCTGCTTACAGTCTCTTTATTCGTGTGGATGGATATGTCTATGTGTGTC
TCTCTTTCTCGTGTGTGTGTGTATGTTCCATTATCCACCCCAATGTCTGAATTCCTTTTAGTT
ATAGAAGGTAAGGCCTGATCAGCAAACAGCCTGGCACCTGTGATCCGTATGTGAAGATTTCTTTGATC
CCTGAAGATAGTACTACGCCACCAGAAGACGCAGACCGTTCCAGACTGCAGAGACCCGGCTTTCCAC
GAGCACTTCTTCTTCTGTCCAAGAGGAGGATGATCAGAAGCGTCTCTGGTTACTGTGTGGAACAGG
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GCCAGGCGGCGACTGCGGCCGCTGAGAGACCCGCTGCTGAGAATGCCAGGAGGTGGGGACTGAGAAT
GGGAAGAAACTAAAGATCACCATCCCGAGGGGAAAGGACGGCTTTGGCTTCAACTCTGCTGCGACTCT
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GACCTGCTGCTTTCACCAAGGAGGACGAGCCTGGCCGCTGCGAGCTCCTGAGGAACCCCTCTACCTC
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CAGAGTGTGAAGCTGCAGGAAGTTCTTTCAGAAGACCTGAAATTCTGCGTGCTCTATCTAGCAGAGAAG
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 GAGCACCAAGGACAACCTGCAGAGCGTCAAGCGGGGCTGCTTCGACCTGGCACAGAAGCGCATCTTC
 GGGCTCATGAAAAGGACTCGTACCCTCGCTTCTCCGTTCTGACCTCTACCTGGACCTTATTAACCAG
 AAGAAGATGAGTCCCCCGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239957
 Blue=ORF Red=Cloning site Green=Tag(s)

MPRTGFCCFTVSLFVWMDMSMCVSLSRCVCVYVSIHPPQCLNSLLVIEGKGLISKQPGTCDPVYKISLI
 PEDSRLRHQKTQTPDCRDPAFHEHFFFPVQEEDDQKRLLVTVWNRASQSRQSGLIGCMSFGVKSLLTP
 DKEISGWYLLGEHLGRTHKHLKVARRRLRPLRDLRMPGGGDTENGKLLKITIPRGKDFGFTICDS
 PVRVQAVDSGGPAERAGLQQLDVLQLNERPVEHWKVELAHEIRSCPSEIILLVWRMVPQVKPGPDGG
 VLRRAACKSTHDLQSPPNKREKNCTHGVARPEQRHSCHLVCDSSDGLLLGGWERYTEVAKRGGQHTLP
 ALSRATAPDPNYIILAPLNPGSLLRPVYQEDTIPPEESGSPSKGKSYTGLGKKSRLMKTVQTMKGHGN
 YQNCPVVRPHATHSSYGYVTLAPKVLVFPVVFQPLDLNCPARTLLLSELLLIEGRNKAEEVTLFAYS
 DLLLFTKEDEPGRCDVLRNPLYLQSVKLQEGSSEDLKFCVLYLAEKAELFTLEAHSQEQQKRVWCLS
 ENIAKQQQLAASPPDSKMFETEADKREMALEEKGPGAEDSPPSKEPSPGQELPPGQDLPPNKDPSG
 QEPAPSQEPLSSKDSATSEGSPPGPDAPPKSDVPPCQEPPPAQDLSPCQDLPAQEPPLHQDPLTKDL
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 GAEQGCSDDEDAEEAEEVEEGEEDEDEDEDTSDNYGERSEAKRSSMIETGQGAEGGLSLRVQNSLR
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 GADTVGDDDEASRKRKSKNLAKDMKNLGIFFRRRNESPGAPPAGKADKMMKSFKPTSEEALKWGESLEK
 LLVHKYGLAVFQAFRLTEFSEENLEFWLACEDFKKVKVSKMSKAKKIFAEYIAIQACKEVNLDYSYTR
 EHTKDNLQSVTRGCFDLAQKRIFGLMEKDSYPRFLRSDLYLDLINQKMSPPPL

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGFSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-Mlul

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| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| RefSeq: | NM_001282923.2 |
| RefSeq Size: | 4279 bp |
| RefSeq ORF: | 3267 bp |
| Locus ID: | 5998 |
| UniProt ID: | P49796 |
| Cytogenetics: | 9q32 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Axon guidance |
| MW: | 120.7 kDa |
| Gene Summary: | This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is a GTPase-activating protein that inhibits G-protein-mediated signal transduction. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. Long isoforms are largely cytosolic and plasma membrane-associated with a function in Wnt signaling and in the epithelial mesenchymal transition, while shorter N-terminally-truncated isoforms can be nuclear. [provided by RefSeq, Jan 2013] |