

Product datasheet for **RG200211**

RP1P8 (RUNDC3A) (NM_006695) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RP1P8 (RUNDC3A) (NM_006695) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RP1P8
Synonyms:	RAP2IP; RP1P-8; RP1P8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200211 representing NM_006695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGCGAGCTTTGTCCAGACCACCATGGCTCTGGGGCTGTCCTCCAAGAAAGCGTCCTCTCGCAACG
 TGGCTGTGGAGCGTAAGAACCTGATCACCGTGTGCAGGTTCTCTGTGAAAACGCTGCTGGAGAAGTACAC
 AGCGGAGCCCATCGATGACTCATCGGAGGAGTTTGTCAATTTGCAGCCATTTAGAGCAGATCCTCAGC
 CACCGCTTCAAAGCCTGTGCCCCAGCAGGTCCAGTGAGCTGGTTCAGCTCAGACGGGCAGCGGGCTTTT
 GGGACTATATCCGGCTGGCCTGCAGCAAAGTGCCCAACAACCTGTGTGAGCAGCATCGAGAACATGGAGAA
 CATCAGCACAGCCCGGGCCAAGGGCCGGCATGGATCCGGGTGGCACTGATGGAGAAGCGCATGTCAGAA
 TACATCACACGGCTCTGCGTGACACCCGACCACAGACGGTTCATGACTCTGGAGCCATCATGCTGC
 GGGATGAAGCCACCATCCTCACCGGAATGCTGATCGGACTGAGCGCCATCGACTTCAGTTCTGTCTAAA
 GGGGAAGTCTGGACGGGAAGACCCCGTGGTTCATCGATTACACGCCCTACCTAAAGTTACGCAGAGC
 TACGACTACCTGACGGACGAGGAGGAGCGGCACAGCGCCGAGAGCAGCAGAGCGAGGACAACTCGCCCG
 AGCACCCGTACCTCCCGCTCGTCACCGACGAGGACAGCTGGTACAGCAAGTGGCACAAGATGGAGCAGAA
 GTTCCGCATCGTCTACGCGCAGAAGGGCTACCTGGAGGAGCTGGTGCCTCTGCGCGAGTCGCAGCTGAAG
 GACCTGGAGGCGGAGAACCGCGGCTTCAGCTGCAGCTGGAGGAGCGCGGCGCAGAACACGCGCGAGA
 AACGGGAGCTGGAAGGCGTGATCCTGGAGCTGCAGGAGCAGTGACAGGTCTGATCCCCAGTGACCACGC
 CCTCTGGCCAGGGTTCCAAGGAGCTCACTACACCCCTGGTCAATCAATGGCCCTCACTGGGAACGCTT
 AATGGGGCCGAGGGCGCCAGCAACTCCAAGCTCTACCGGAGACACAGTTTCATGAGCAGGAGCCGCTGT
 CAGCTGAAGCCAGTCTGAGCTCGGACTCCAGCGCCTGGGAGAGGGCACGCGGACGAGGAGCCCTGGGG
 TCCCATCGGAAGCTCAGAGCCAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200211 representing NM_006695
 Red=Cloning site Green=Tags(s)

MEASFVQTTMALGLSSKKASSRNVAVERKNLITVCRFSVKTLLEKYTAEPIDDSSEEFVNFAAILEQILS
 HRFKACAPAGPVSWFSSDQGRGFWDYIRLACSKVPNNCVSSIENMENISTARAKGRAWIRVALMEKRMSE
 YITTALRDTRTTRRFYDSGAIMLRDEATILTGMLIGLSAIDFSFCLKGEVLDGKTPVVIDYTPYLKFTQS
 YDYLTDDEERHSAESSTSEDNSPEHPYLPVTDDEDSWYSKWHKMEQKFRIVYAQKGYLEELVRLRESQK
 DLEAENRRRLQLQLEEAQAQNRKRELEGVILELQEQLTGLIPSDHAPLAQGSKELTTPLVNQWPSLGT
 NGAEGASNSKLYRRHSFMSTEPLSAEASLSSDSQRLGEGTRDEEPWGPIGSSEPN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006695

ORF Size: 1215 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006695.3](#), [NP_006686.1](#)

RefSeq Size: 1842 bp

RefSeq ORF: 1218 bp

Locus ID: 10900

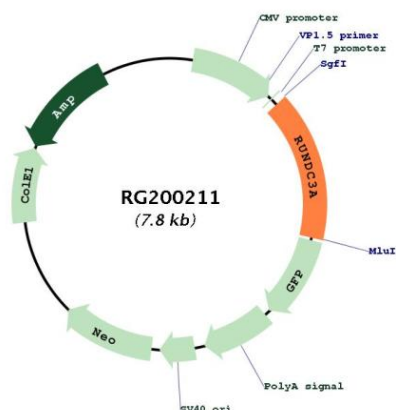
UniProt ID: [Q59EK9](#)

Cytogenetics: 17q21.31

Domains: RUN

Gene Summary: May act as an effector of RAP2A in neuronal cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200211