

Product datasheet for **RN205445**

Rasgrp1 (NM_019211) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasgrp1 (NM_019211) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rasgrp1
Synonyms:	Rasgrp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205445 representing NM_019211
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAACCTGGCAAGGCGAGAGAGGCTCCGCGGAAACCTTGCCATGGCTCCAGAGCTGGCCCCAAAG
 GAAGACTAGAGGCCAAATCAACCAACAGTCCTCTCCCTGCCAGCCAGCTTGGCCAGATCACCCAGTT
 CCGAATGATGGTGTCCCTGGGACATCTGGCCAAAGGAGCCAGCCTGGATGATCTTATTGACAGCTGCATT
 CAATCTTTCGATGCAGATGGAAACCTGTGTGCAAGTAACCAGCTGTTACAAGTCATGCTAACCATGCACC
 GAATCATCATCTCCTCGGCCGAGCTGCTGCAAAAACCTCATGAATCTATATAAGGACGCCCTGGAAAAAGAA
 TTCTCCAGGAATTTGCTTGAAGATCTGCTATTTTGTGAGTATTGGATAACAGAATTCTGGATCATGTTCC
 AAAATGGATGCCAGCTTGACCAGCACCATGGAAGAGTTTTCAGGACCTGGTAAAGCCAATGGTGAGGAGT
 CCCACTGCCACCTCATCGACACGACACAAATTAATTCTCGAGACTGGTCCAGGAACTGACTCAGAGGAT
 AAAATCAATACCAGCAAGAAGCGGAAAGTGTCCCTGCTGTTTGACCATCTTGAACCTGAAGAACTGCT
 GAACACCTCACCTACCTTGAGTTCAAGTCTTCCGACGGATATCTTTCTGATTATCAGAATTACCTTG
 TAAACAGCTGCGTAAAGGAGAACCCACCATGGAGCGGTCCATTGCCCTGTGCAATGGCATCTCCCAGTG
 GGTACAACCTGATGGTTCTCAGCCGTCCCACCCACAGCTCCGGGCAGAGGTCTTCATCAAGTTTATCCAT
 GTGGCTCAGAAGCTCCACCAGCTACAGAACTTCAACACGCTAATGGCTGTGATCGGGGACTGTGTACACA
 GCTCCATCTCCAGGCTCAAGGAGACAAGTTCACATGTCCACATGAGATCAATAAGGTTCTGGGTGAGAT
 GACTGAACTGCTGCTCCTCGCAGAACTATGACAACACAGGCGAGCCTATGGTGAAGTGCACCCACTTC
 AAAATCCCATACTGGGTGTGCACCTCAAGGACCTCATATCCCTATATGAAGCCATGCCTGACTACCTGG
 AAGACGGGAAGGTGAATGTCCAAAAGTCTGGCCCTTTACAATCACATCAATGAGTTGGTCCAGCTGCA
 GGACGTGGCCCCACCATTGGATGCCAACCAAGGACCTGGTGCACCTGCTGACGTTATCCCTGGATCTATAC
 TACACCGAAGATGAAATCTATGAGCTTTCCTACGCCCGTGAACCAAGGAACACAGGGCCCCGCCACTGA
 CACCTTGAAGCCACCAGTTGTAGTGGACTGGGCTCTGGAGTGTCTCCAAAACCTGACCCGAAGACCAT
 CAGCAAACACGTCCAAAGGATGGTGGATTCTGTCTTAAAGAACTATGATCTCGACCAGGATGGATATATC
 TCTCAGGAGGAGTTTGAAGAGATTGCTGCGAGCTTTCATTTTCTTCTGTGTGATGGACAAAGATAGGG
 AGGGCCTCATCAGCAGAGACGAGATCACAGCCTACTTCATGAGGGCCAGCTCCATCTATTCCAAGCTGGG
 CCTAGGCTTTCACACAACCTTCAAGAGACCCTTACCTGAAGCCCACCTTCTGTGACAACCTGTGCTGGC
 TTTCTCTGGGGTGTGATCAAGCAAGGCTATCGCTGTAAGACTGTGGGATGAACTGCCACAAACAGTGCA
 AAGACCTGGTAGTGTGAGTGCAGAAACGATCCAAGAGCCCGCGGTATCCACAGAAAACATCAGCTC
 TGTGGTGCCAATGTCCACTCTTTGTCCACTGGGAACCAAGATCTGCTCCATGCACCCGAAGAAGGATCT
 TTCATTTTCCAGAATGGAGAGGTTGTGGACCACAGTGAGGAGAGCAAGGATAGGACCATCATGCTTTGG
 GCGTATCCTCACAGAAAATTTAGTTCCGGCTGAAGAGGACTGTTGCCACAAGACCACCCAGACAGAATC
 ATTTCTTGGGTTGGCGGCGAGATGCCCTGGTCACTTTGTGCTGACTTCTCCAAGAAAGTCAGCACAA
 GGGGCTCTTTATGTGCACAGTCCAGCATCTCCGTGCCAGCCAGCAGCTGGTCCGGAAGCGGGCATTTCG
 TCAAGTGGGAGAACAAAGAGTCCCTTATCAAACAAAACAGAGCTTACCTCAGGCTCCGGACCTACCA
 AGAACTGGAACAGGAGGTAAATACCCTGAGGGCAGATAACGATGCTCTGAAGATCCAGCTGAAGTATGCA
 CAGAAACAAATAGAATCCCTGCAGCTTGGCAAAAGCAATCACGTCTTAGCACAGATGGACCACGGTGATG
 TACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_019211
Insert Size: 2388 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_019211.2 , NP_062084.2
RefSeq Size:	3624 bp
RefSeq ORF:	2388 bp
Locus ID:	29434
UniProt ID:	Q9R1K8
Cytogenetics:	3q35
Gene Summary:	putative guanine nucleotide exchange factor with Ca ²⁺ and diacylglycerol binding domains; may activate Rap protein mediated inhibition of Ras signaling pathways [RGD, Feb 2006]