

Product datasheet for **MC216336**

Rasgef1c (NM_029004) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasgef1c (NM_029004) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rasgef1c
Synonyms:	9130006A14Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216336 representing NM_029004
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGACACTGACTGCCTCCGACATGGTCACCCAGGCAGCCTCAGCCCGCTCCACAGAATCCA
 CAGAAGGAGAGCAGGCCGGCAGCCCTCCTGGACGGAGCTCCATCCTCAGCCTCTTTGGACACCCTGAT
 CCAACACCTCGTCCACAGCCGATTACTATCCCGAGAAAAGCCTACATCTTCACCTTCTGCTGAGCTCT
 CGTCTTTCATCGAGCCCGAGAGCTCCTGGTCCGGGTGTGTACCTGTGCATAGAGCAGCAACAGCTGG
 ACAAGCCGGTGTGGACAAGGCCGAGTCCGGAAGTTTGGTGCCAAATTGCTCCAGTTGTTAGCCGAGTG
 GACTGAGACCTTCCACGGGACTTTGAAGAGGAGTCCACCATTGGACACCTGACAGACGTGGTGGGCCGC
 ATCTCCCGTGTGACGAGACCTACGGGAGCAGGTACACCAGCTCCTGCAGACTTGCACCAGAAATTGG
 CGTCACTTGGCCAGGGACCAGAAAGCCTGGTGGGAGCCGACAAGCCCATCTCTACAGGACCAAGCCTCC
 AGCCTCCATCCACAGGGAGCTCCTGGGTGTCTGCAGTGACCCCTACACGCTGGCCAGCAACTGACCCAC
 GTGGAGCTGGAGCGACTAAGGCACATTGGGCCGAGGAGTTTGTCCAGGCTTTTGTGAACAAGGACCCCC
 TGGCAGGCACAAAGCCCGCTTCAGTGACAAGACGAACAACGTTGAGGCCTACGTGAAGTGGTTCAACAG
 ACTATGCTACCTGGTAGCAACGGAAATCTGCATGCCAGCCAAGAAGAAGCAGAGAGCGCAGGTGATCGAG
 TTCTTCATCGATGTGGCCGAGAGTGTCAACATCGGCAACTTCAACTCCCTCATGGCCATTATCTCTG
 GCATGAACATGAGCCCTGTCTCCAGGCTGAAGAAGACTTGGGCCAAAGTGAAAACAGCCAAATTCTCAT
 TCTGGAGCACCAGATGGACCAACAGGGAACTTCTGCAACTATAGGACAGCCCTGCGTGGGGCAGCCAC
 CGCTCACTCACTGCTCACAGCAGCAGGGAGAAGATCGTCATCCCTTCTTCAGTGTCTCATCAAGGACA
 TTTACTTCTCAATGAGGGCTGTGCCAACCGCTTCCCAATGGGCATGTCAACTTTGAGAAATTTCTGGA
 ACTGGCCAAGCAGGTTGGAGAATTCATTACTTGGAAACAAGTGAATGTCTTTGAGCAAGATCCGAGC
 ATCACCCATTACCTGTACTACTGCCCCATCTTACGCAAGACGGTTTGTATTTGGCTTCTATGAAAGCG
 AGAGCCCAGAGGCCAGACAGAAAAGGAGAGGTGGAAATCTCTAAGATCTTCTATTCTGGGGAAGACATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_029004

Insert Size: 1401 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:

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_029004.1](#), [NP_083280.1](#)

RefSeq Size: 2248 bp

RefSeq ORF: 1401 bp

Locus ID: 74563

UniProt ID: [Q9D300](#)

Cytogenetics: 11 B1.3

Gene Summary: Guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1.