

Product datasheet for **MC224001**

Rapgef1 (NM_001039087) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rapgef1 (NM_001039087) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rapgef1
Synonyms:	4932418O06Rik; C3G; Grf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224001 representing NM_001039087 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCGCCTCGGCCCTCCGGCGCAGCCCGGAAATGTCGGCAAGATCGAGAAAGCAGACTCTCAGC
GTTCTCATCTCTCTCCTCCTCACCATGAAGCTGATGGACAAATCCACTCTCCCAAATCAAGAGAACC
ATCCAAGAAGGGAAAGCCAGCCGAGGTGTGAAGATTCTGAGAAGCCTGTGAGCAAAGAGGCAAGAGAC
AGATTTCTACCAGAGGGTACCTATCCCCTTGGATCTGGAGCAGCAGGCAGTAGAATTTATGTCCACCA
GTGCTGTGGCTTCCAGGTCTCAGAGGCAGAAGAACCTGTGCTGGCTGGAGGAGAAAGAGAAGGAGTTGT
CAGTGCCTTGGCTACTTTAAGACCATTGTGGACAAAATGGCCATTGATAAGAAGTTCTGGAGATGCTC
CCGGGGTCAGCCAGCAAGGTGCTGGAGGCCATTTACCCCTGGTGCAGACTGACCCTCGGATCCAGCACA
GCTCAGCCCTCTCCTCCTGTTATAGCCGAGTATACCAGAGCCTCGCCAACCTTATCCGATGGTCTGACCA
GGTGTGCTAGAGGGCGTGAAGTGAAGAGTGAAGGAGTGGTGAACAAGTGAAGGGCGTTATCAAAGCT
GTCCTGGACGGAGTGAAGGAGCTAGTGAAGGTAACCATGAGAAGCAGGGGCGGCCATCGCCAACAAGCC
CAGTGAAGCCAGTTCAGCCAGCAAGCCTGATGGCCAGCCTGAGCTCCCTCTGACAGACCGAGAAT
GGAGATTCTGAACAAGACGACAAGTGTGCACCATCTGCTGAAGTGTCCAGACTCCACCAGTGAAGAG
GTCGACCCCAAGCCCTTTACCTGGCATCCGGGTGGTTGATAACAGTCCACCAGATTACCACCA
AGAAAAGGCAGTCTGCTCCATCCCCACTCGGGTGGCTGTGGTAGCCCAATGAGTCGGGTACCAGTGG
CTCCAGTTTGCCTGTTGGAATCAATAGGCAGGACTTTGATGTTGAATGTTACACCAGAGGCGCCTGTCA
GGAGGCAGCCGCTCCTGCGGTGGTGAAGTCTCCTCGCCTGTCCCTGCGAGCAGCAGGCAAGCTCAGCC
GCTCAGACGAGCAGCTGTCTCCTGGACAGGGATAGTGGGAGTGTCTACGGAACACAAGCTGTGAAAC
ACTAGATCACTACGACCCGACTATGAATTCCTCCAGCAAGATCTCTCAATGCAGACCAGATCCCTCCA
CAGGCAGCCTGTAACCTCAGCCCTGCGGGAGTCCCTGGGGAACTGGGCCTCCATTTCTGGCCACC
CTTTCCAGCTGCCTTTGGGAGCTGTCTGAGCAGGAGGACAGCAGACAGACTCCACCTGCCCTTCC
GGAGAAGAAGCGTAGGAGCGCAGTCTCCAGACCAGGACAGCTCTGGCTGCAGGTTGCTCTATGAGCGA



[View online »](#)

CACCCCTCACAGTATGACAACATCTCAGAGGGTGACCTGCAGAACCAGTCCCAGTCCAGCCTGTGCCCT
 ACCCACCCTTTGCTGCTGTCTGCCCTTTCAGCAGGGAGCTTCTCTGCCTCTGCTGAGTTTGTGGGTGA
 TTTCAAGTGTCTGAGTTGGCGGGTGACACAGAGAAGCCACCTCTACCAGAGAAGAAGAACAAGCAC
 ATGCTGGCCTACATGCAACTGCTGGAGGACTACTCAGAGCCACAGCCCTCCATGTTCTACCAGACACCGC
 AGAGTGAGCACATCTACCAGCAGAAGAACAAGATGCTCATGGAGGTGTACGGCTTACGCGAGTCTTCTG
 CGGTAGTGATCCACGCAGGAGCTGGCCCTCCACCCGCTCTGCCCCCAAGCAACGCAGCTGCAGGCC
 TCCTATGCTGCTTCTTCTTCTCTGTCTCTACTGTGTCCAGCAAATAAAGTGGCCTTACCCCGGAGG
 ACGGCAGTGCCGCTCAGGGCCTCAGTGTATCCGTGTCTAACTCCTTCTCAACCCGACGGCAGCTTGCC
 TGTGCCCTCGTACAAATCTGTGTTAGGCTTACTCCCAGGACTTCATGCCTCACACCAAGCCTCCGTC
 CAACCTTCTTCCGCTACCTCCTTCTCTCCACATTTCCACCTGTCCACACGTCCAGAGCTCGG
 ACTTAGCGGTGCCACCCTAAGCAGTCCGCTCCAGCACCCTGGACGGGCTCTCTCGTCTTCTCAGGA
 CAGCAGCTTTCATGGAAACCCTGTCGCTTCTTCCGAAACCTTTCCTACTGACTCGGAACCACCATCT
 GGAAGGACGGACATCCAGAGATCCTTCGGTCAGCAGTGCATCTGGGAAGGACAGCAGAGAAAAATGGG
 AAAGTCCCAAAGTCACTGGATGGTCTGGAGTACGCGCAGTCAAGAGAGGAGTGGATGAACTGTCCT
 CATTGACCACAATGAAATATGGCCAGGCTGACTCAAGCAAGAGGGTGTATGATGGCCAGATGTTCTG
 GGTGGTTCAGGAGACATCTTACTGGTCCATGCTACTGAGACAGACAGAAAAGACCTGGTGTGTACTGTG
 AAGCCTTCTGACCACCTACAGGACCTTCATCAGCCCGGAGGAGCTCATCAAGAAGCTGCAGTACCGGTA
 CGAGAAGTTCTCTCCCTTGTGACACGTTCAAGAAGCGAGTGAGCAAGAACACATTTCTTGTGCTGGT
 CGAGTGGTGGATGAGCTCTGCCTGGTGGAGCTGACAGAGGAGATCCTGAAGCTGTGATGGAGCTGGTCT
 TCCGCCTAGTGTGCAGCGGAGAGCTCAGCCTGGCCAGAGTCTCCGGAAGAACATTTGGACAAGGTGGA
 CCAGAAGAAGTGTCTCAGGTGTGCCATTCGACCAGCCTCTGGCAGCCAGGGGTGTTGCAGCCAGGCCA
 GGAACCTTGCATGATTTCCACAGCCACGAGATAGCTGAGCAGTGCATGCTGGATGCCGAGCTTTTCT
 ACAAGATAGAGATTCCTGAAGTTTGTCTTGGCCAAAGAGCAGAATGAGGAGAAGAGTCCCAATCTGAC
 CCAGTTCACAGAGCACTTCAACAACATGTCTACTGGGTGCGGTCCATCATCATGCTGCAGGAGAAGGCC
 CAGGACCGGGAGAGGCTGCTCCTCAAGTTCATCAAGATCATGAAGCACCTGCGCAAGCTCAACAACCTCA
 ACTCCTACCTGGCCATCCTCTCAGCACTAGACTCGGCCCCATCCGACAGCTGGAGTGGCAGCGGCAGAC
 CTCAGAGGGCCTGGCTGAGTACTGCACATTGATTGACAGCTCATCCTCCTCCGAGCCTACCGGGCTGCT
 CTCTCAGAGGTGGAGCCCCATGTATCCCATACCTAGGTCTGATTCTGCAAGACCTGACCTTCGTTCAAC
 TGGGAAACCCAGATTATTTGACGGGAAAGTAACTTCTCCAAGCGGTGGCAACAGTTCAACATATTGGA
 CAGCATGCGGTGCTTCCAGCAGGCGCACTATGAAATCCGGAGAAACGACGACATCAAAATTTCTCAAT
 GACTTCAGTGACCACCTGGCCGAGGAAGCCCTGTGGAACTCTCTCTGAAGATCAAGCCTAGGAACATAA
 CAAGGCGGAAAACAGACC GCGAAGAGAAGACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001039087
- Insert Size:** 3675 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_001039087.1](#), [NP_001034176.1](#)

RefSeq Size: 6251 bp

RefSeq ORF: 3675 bp

Locus ID: 107746

Cytogenetics: 2 20.32 cM