

Product datasheet for **MC223488**

Rapgef1 (NM_054050) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rapgef1 (NM_054050) 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:	>MC223488 representing NM_054050 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCGCCTCGGCCCTCCGGCGCAGCCCGGAAATGTCGGCAAGATCGAGAAAGCAGACTCTCAGC
GTTCTCATCTCTCTCTCCTCCTCACCATGAAGCTGATGGACAAATCCACTCTCCCAAATCAAGAGAACC
ATCCAAGAAGGGAAAGCCAGCCGAGGTGTGAAGATTCTGAGAAGCCTGTGAGCAAAGAGGCAAGAGAC
AGATTTCTACCAGAGGGTACCCTATCCCCTTGGATCTGGAGCAGCAGGCAGTAGAATTTATGTCCACCA
GTGCTGTGGCTTCCAGGTCTCAGAGGCAGAAGAACCTGTGCTGGCTGGAGGAGAAAGAGAAGGAGTTGT
CAGTGCCTTGGCTACTTTAAGACCATTGTGGACAAAATGGCCATTGATAAGAAGTTCTGGAGATGCTC
CCGGGGTCAGCCAGCAAGGTGCTGGAGGCCATTTACCCCTGGTGCAGACTGACCCTCGGATCCAGCACA
GCTCAGCCCTCTCCTCTGTTATAGCCGAGTATACCAGAGCCTCGCCAACCTTATCCGATGGTCTGACCA
GGTGTGCTAGAGGGCGTGAAGTGAAGATAAGGAGATGGTGACAAGTGTGAAGGGCGTTATCAAAGCT
GTCCTGGACGGAGTGAAGGAGCTAGTGAGGCTAACATTGAGAAGCAGGGGCGCCATCGCCAACAAGCC
CAGTGAAGCCAGTTCAGCCAGCAAGCCTGATGGCCAGCCTGAGCTCCCTCTGACAGACCGAGAAT
GGAGATTCTGAACAAGACGACAAGTGTGCACCATCTGCTGAAGTGTCCAGACTCCACCAGTGAAGAG
GTCGACCCCAAGCCCTTTACCTGGCATCCGGGTGGTTGATAACAGTCCACCAGATTACCACCA
AGAAAAGGCAGTCTGCTCCATCCCCACTCGGGTGGCTGTGGTAGCCCAATGAGTCGGGTACCAAGTGG
CTCCAGTTTGCCTGTTGGAATCAATAGGCAGGACTTTGATGTTGAATGTTACACCAGAGGCGCCTGTCA
GGAGGCAGCCGCTCCTGCGGTGGTGAAGTCTCCTCGCCTGTCCCTGCGAGCAGCAGGCAAGCTCAGCC
GCTCAGACGAGCAGCTGTCTCCTGGACAGGGATAGTGGGAGTGTCTACGGAACACAAGCTGTGAAAC
ACTAGATCACTACGACCCGACTATGAATTCCTCCAGCAAGATCTCTCCAATGCAGACCAGATCCCTCCA
CAGGCAGCCTGTAACCTCAGCCCTCTGCCGAGTCCCTGGGGAACTGGGCCTCCATTTCTGGCCACC
CTTTCCAGCTGCCTTTGGGAGCTGTCTGAGCAGGAGGACAGCAGACAGACTCCACCTGCCCTTCC
GGAGAAGAAGCGTAGGAGCGAGTCTCCAGACCAGGACAGCTCTGGCTGCAGGTTGCTCTATGAGCGA



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CACCCCTCACAGTATGACAACATCTCAGAGGGTGACCTGCAGAACCCAGTCCCAGTCCAGCCTGTGCCCT
 ACCCACCCTTTGCTGCTGTCTGCCCTTTCAGCAGGGAGCTTCTCTGCCTCTGCTGAGTTTGTGGGTGA
 TTTTCAGTGTCTGAGTTGGCGGGTGACACAGAGAAGCCACCTCTCTACCAGAGAAGAAGAACAAGCAC
 ATGCTGGCCTACATGCAACTGCTGGAGGACTACTCAGAGCCACAGCCCTCCATGTTCTACCAGACACCGC
 AGAGTGAGCACATCTACCAGCAGAAGAACAAGATGCTCATGGAGGTGTACGGCTTCAGCGAGTCTTCTG
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 CCATCTGGGAAGGACGGACATCCAGAGATCCTTCGGTCAGCAGTGCATCTGGGAAGGACAGCAGAGAAA
 ATGGGGAAGGTCCCAAAGTCACTGGATGGTCTGGAGTCAGCGCAGTCAGAAGAGGAAGTGATGAACT
 GTCCTCATTGACCACAATGAAATTATGGCCAGGCTGACACTCAAGCAAGAGGGTGATGATGGGCCAGAT
 GTTCGTGGTGGTTCAGGAGACATCTTACTGGTCCATGCTACTGAGACAGACAGAAAAGACCTGGTGTGT
 ACTGTGAAGCCTTCTGACCACCTACAGGACCTTCATCAGCCCGAGGAGCTCATCAAGAAGCTGCAGTA
 CCGGTACGAGAAGTTCTCCCTTTGCTGACACGTTCAAGAAGCGAGTGAGCAAGAACACATTCTTTGTG
 CTGTTTCGAGTGGTGGATGAGCTCTGCCTGGTGGAGCTGACAGAGGAGATCCTGAAGCTGCTGATGGAGC
 TGGTCTTCGGCTAGTGTGCAGCGGAGAGCTCAGCCTGGCCAGAGTCTCCGGAAGAACATTCTGGACAA
 GGTGGACCAGAAGAAGCTGCTCAGGTGTGCCATTCCGACCAGCCTCTGGCAGCCAGGGGTGTTGCAGCC
 AGGCCAGGAACCTTGCATGATTTCCACAGCCACGAGATAGCTGAGCAGCTGACACTGCTGGATGCCGAGC
 TTTTCTACAAGATAGAGATTCCTGAAGTTTGGCTTTGGGCCAAAGAGCAGAATGAGGAGAAGAGTCCCAA
 TCTGACCCAGTTCACAGAGCACTTCAACAACATGTCTACTGGGTGCGGTCCATCATGCTGCAGGAG
 AAGGCCAGGACCGGGAGAGGCTGCTCCTCAAGTTCATCAAGATCATGAAGCACCTGCGCAAGCTCAACA
 ACTTCAACTCCTACCTGGCCATCCTCTCAGCACTAGACTCGGCCCCATCCGAGACTGGAGTGGCAGCG
 GCAGACCTCAGAGGGCTGGCTGAGTACTGCACATTGATTGACAGCTCATCTCCTTCGAGCCTACCGG
 GCTGCTCTCTCAGAGGTGGAGCCCCATGTATCCCATACCTAGGTCTGATTCTGCAAGACCTGACCTTCG
 TTCACCTGGGAAACCCAGATTATATTGACGGGAAAGTAACTTCTCCAAGCGGTGGCAACAGTTC AACAT
 ATTGGACAGCATGCGGTGCTTCCAGCAGGCGCACTATGAAATCCGGAGAAACGACGACATCATAAATTTCT
 TTCAATGACTTCACTGACCACCTGGCCGAGGAAGCCCTGTGGAACTCTCTCTGAAGATCAAGCCTAGGA
 ACATAACAAGGCGGAAAACAGACCCGGAAGAGAAGACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_054050
- Insert Size:** 3261 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_054050.2](#), [NP_473391.1](#)

RefSeq Size: 5837 bp
RefSeq ORF: 3261 bp
Locus ID: 107746
Cytogenetics: 2 20.32 cM