

Product datasheet for **MC223980**

Rapgef1 (NM_001039086) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rapgef1 (NM_001039086) 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:	>MC223980 representing NM_001039086 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCGCCTCGGCCCTCCGGCGCAGCCCGGAAATGTCGGCAAGATCGAGAAAGCAGACTCTCAGC
GTTCTCATCTCTCTCTCCTCCTCACCATGAAGCTGATGGACAAATCCACTCTCCCAAATCAAGAGAACC
ATCCAAGAAGGGAAAGCCAGCCGAGGTGTGAAGATTCTGAGAAGCCTGTGAGCAAAAACCTGTGCTGG
CTGGAGGAGAAAGAGAAGGAGGTGTGTCAGTGCCTTGCCTACTTTAAGACCATTGTGACAAAATGGCCA
TTGATAAGAAGGTTCTGGAGATGCTCCCGGGTCCAGCCAGCAAGGTGCTGGAGGCCATCTTACCCTGGT
GCAGACTGACCTCGGATCCAGCACAGCTCAGCCCTCTCCTCTGTTATAGCCGAGTATACCAGAGCCTC
GCCAACCTTATCCGATGGTCTGACCAGGTGATGCTAGAGGGCGTGAAGTCAAGATAAGGAGATGGTGA
CAACTGTGAAGGGCGTTATCAAAGCTGTCTGGACGGAGTGAAGGAGCTAGTGAGGCTAACCATTTAGAA
GCAGGGGCGGCCATCGCCAACAAGCCAGTGAAGCCAGTTCCCGAGCCAGCAAGCCTGATGGCCAGCCT
GAGTCCCTCTGACAGACCGAGAAATGGAGATTCTGAACAAGACGACAAGTGTGTACCATTCTGTGAAC
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GCCCAATGAGTCGGGCTACCAGTGGCTCCAGTTTGCCTGTTGGAATCAATAGGCAGGACTTTGATGTTG
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CTGCAGCAGCACAGGCAAGCTCAGCCGCTCAGACGAGCAGCTGTCTCCTCCGACAGGGATAGTGGCAG
TGCTCACGGAACAAGCTGTGAAACACTAGATCACTACGACCCCGACTATGAATTCCTCCAGCAAGATC
TCTCCAATGCAGACCAGATCCCTCCACAGGCAGCCTGTAACCTCAGCCCTCTGCCGAGTCCCTGGGGGA
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CCCAGTCCAGTCCAGCCTGTGCCCTACCCACCCTTGTGCTGTCTGCCCTTTCAGCAGGGAGCTTCC



TCTGCCTCTGCTGAGTTTGTGGGTGATTCAGTGTTCCTGAGTTGGCGGGTGACACAGAGAAGCCACCTC
 CTCTACCAGAGAAGAAGAACAAGCACATGCTGGCCTACATGCAACTGCTGGAGGACTACTCAGAGCCACA
 GCCCTCCATGTTCTACCAGACACCGCAGAGTGAGCACATCTACCAGCAGAAGAACAAGATGCTCATGGAG
 GTGTACGGCTTCAGCGAGTCCTTCTGCGGTAGTGATTCCACGCAGGAGCTGGCCCTCCACCCGCTGC
 CCCCCAAGCAACGGCAGCTGCAGGCCTCTATGCTGCTTCTTCTCTGTCTCCTACTGTGTCCAGCA
 AACTAAAGTGGCTTACCCCCGAGGACGGCAGTGCCGCTCAGGGCCTCAGTGTATCCGTGTCTAACTCC
 TTTCTCAACCGGCACGGCAGCTTGCTGTGCCCTCGTACAAATCTGTGTTAGGTCTTACTCCAGGACT
 TCATGCCTCACCACCAAGCCTCCGTCCAACCTTTCCTTCCGCCTACCTCCTCTTCCACATTTCCC
 ACCTGTCCACACGTCCTCAGAGCTCGGACTTAGCGGTGCCACCGTAAGCAGTCCGCCTCCAGCACCCTG
 GACGGGCTCTCTCGTCTTCTCAGGACAGCAGCTTTCATGGGAACCCTGTCCGCCTTCTTCCGAAACCT
 CTTTCACTGACTCGAGTGAAAAGGCCAGCAGTGAGGAAGCTGGTGGGATGAGTATGTCAGTCTGTACTC
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 AGAGATCCTTCGGTCAGCAGTGCATCTGGGAAGGACAGCAGAGAAAATGGGGAAGGTCCCCAAAGTAC
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 TATGGCCAGGCTGACACTCAAGCAAGAGGGTGATGATGGCCAGATGTTCTGTGGTGGTTCAGGAGACATC
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 ACAGGACCTTCATCAGCCCGGAGGAGCTCATCAAGAAGCTGCAGTACCGGTACGAGAAGTCTCTCCCTT
 TGCTGACACGTTCAAGAAGCGAGTGAGCAAGAACACATTTTGTGCTGGTTCGAGTGGTGGATGAGCTC
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 GAGAGCTCAGCCTGGCCAGAGTCTCCGGAAGAACATTCTGGACAAGGTGGACCAGAAGAAGTGCCTCAG
 GTGTGCCATTCCGACCAGCCTCTGGCAGCCAGGGGTGTGCAGCCAGGCCAGGAACCTTGATGATTTT
 CACAGCCACGAGATAGCTGAGCAGCTGACACTGCTGGATGCCGAGCTTTTCTACAAGATAGAGATTCCTG
 AAGTTTTGCTTTGGCCAAAGAGCAGAATGAGGAGAAGAGTCCCAATCTGACCCAGTTCACAGAGCACTT
 CAACAACATGTCTACTGGGTGCGGTCCATCATCATGCTGCAGGAGAAGGCCAGGACCCGGGAGAGGCTG
 CTCTCAAGTTCATCAAGATCATGAAGCACCTGCGCAAGCTCAACAACCTCAACTCCTACCTGGCCATCC
 TCTCAGCACTAGACTCGGCCCCATCCGCAGACTGGAGTGGCAGCGGCAGACCTCAGAGGGCCTGGCTGA
 GTACTGCACATTGATTGACAGCTCATCCTCCTTCCGAGCCTACCGGGTCTCTCTCAGAGGTGGAGCCC
 CCATGTATCCCATACCTAGGTCTGATTCTGCAAGACCTGACCTTCGTTACCTGGGAAACCAGATTATA
 TTGACGGGAAAGTAACTTCTCCAAGCGGTGGCAACAGTCAACATATTGGACAGCATGCGGTGCTTCCA
 GCAGGCGCACTATGAAATCCGGAGAAACGACGACATCAAAATTTCTTCAATGACTTCAGTGACCACCTG
 GCCGAGGAAGCCCTGTGGAACTCTCTGAAGATCAAGCCTAGGAACATAACAAGCGGAAAACAGACC
 GCGAAGAGAAGACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001039086

Insert Size:

3657 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_001039086.1, NP_001034175.1

RefSeq Size: 6233 bp

RefSeq ORF: 3657 bp

Locus ID: 107746

Cytogenetics: 2 20.32 cM