

Product datasheet for **MR210071**

Rasgrp3 (NM_001166493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasgrp3 (NM_001166493) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rasgrp3
Synonyms:	BC066069; Gm327
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR210071 representing NM_001166493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTCCAACGGGCTCGGAAAGCGGCAACACTAGATGAACTTCTCAGCACATGCATTGAGATGTTTG
 ATGACAATGGAGACCTGAACGACAGTTACTTGCCAGAATCGTGTACTGATGCACCGATGGTATTTATC
 CTCCACTGAAGTGGCAGGAAAACCTCTCGCATGTATCGAATGCCAGTGGAGAAAAGCTGTGATGAGTTC
 CGACTGAAGATCTGCTATTTTCATGAGGACTGGATTCTGAAATTCCTGCAGAGTTAATTTGGATCTTG
 GTTTGATTCGCATGACTGAGGAGTTCGGGAAAGTACTAGTCAACTAGGACATGAAAAACACATCAGCCT
 CATGGACATATCTAGCGTTCCTTCTATGACTGGATGAGGAGAGTACACAGAGGAAAAAAGTATCCAAA
 AGGGGAAAGGCCTGCCTTTATTTGACCATCTGGAGCCATTGAGTTGGCGGAGCACCTCACTTTTCTGG
 AGCATAAATCTTTAGAAGGATCTCATTACAGATTATCAGAGCTATGTCATCCATGGCTGTCTGGAGAA
 TAACCCGACATTGGAGAGATCTATTGCTTTATTTAATGGAATCTCTAAGTGGTCCAGTTGATGGTTCTT
 AGCAAACCAAGTGCAGCAAAAGGGCAGAAGTCATCACAAAGTTCAATGTAGCCAGAAAACCTCTTC
 AACTAAAAAATTTAACACCTTGATGGCAGTGGTGGTGGCCTTAGTACAGCTCCATTTCCCGACTCAA
 AGACACCCATTCTCACCTCTCTCCGAAGTTACAAAGAACTGGAATGAAATGACAGAGTTGGTCTCCTCC
 AATGGCAATTACTGCAATTACCGCAAAGCCTTTGCTGACTGTGATGGCTTCAAAAATCCCATCCTTGGCG
 TGCACTTGAAAGACTTGATAGCAGTCCATGTCAATTTCCAGACTGGATGGAGGAGAACAAGTGAACGT
 TGTGAAAATGCACCAGCTTTCTGTTACCCTGAGTGAACGGTCTCCCTGCAGAAATGCCTCTCACCCTTG
 GAACCTAACATGGATTTGATCAACCTACTACTCTCTCTGGACCTCTACCACACAGAGGATGATATTT
 ACAAACTGTCACCTGGTGTGGAGCCTAGAAAATCCAAAATCGCAGCCAACCTCCCAACGACACCTAATA
 GCCTGTGGTACCTCTGGAGTGGCTTCAGAAGTGGTACCAAAGCCAGACCCACAATCATCAACAAACAC
 ATAAGGAAGTTGGTTGAGTCTGTGTTTCGAAACTACGATCATGACCACGATGGTTACATCTCCCAAGAGG
 ACTTTGAGAGCATAGCTGCCAATTTCCCTTCTGGATTCTTCTGCGTACTAGACAAAGATCAGGACGG
 CCTAATTAGCAAAGACGAAATGATGGCTTATTTCTGAGAGCTAAATCTCAGCTACACTGCAAAATGGGA
 CCAGGCTTCATCCATAATTTTCAGGAGATGAACATCTCAAGCCGACCTTCTGCGAACACTGTGCGGGAT
 TTCTCTGGGGCATAATCAAACAAGGCTACAAGTCAAAGACTGTGGAGCCAACCTGCCACAAGCAGTGCAA
 AGACCTCTTGGTCTGGCCTGCAGGAGACTTGCCAGGGCACCTCCTTGAGCAGCAACCCCGGGTCACTG
 CCTGGAAGCCCAGCCTTGCCCCAGTGCAGGATGAGGTATTTGAGTTTCTGGGGTCAAGCTGGACACC
 GAGACCTGGACAGCAGAGCCATTACCCTGGTTACAGGATCTTCCCGAAGATCTCCGTGAGGCTGCAGAG
 AGCCACCACTAGTCAAGCCACCCAGACGGAACCTGTGTGGTCAAGGCTGTCTGGGGAGACTCAGGGTCC
 CATACTTCCCAAAATGAAATCCAAGTTCATGACAAAGCAGCAAAAGGACAAGGGCTTTGCCAAGTGGG
 AAAACGAGAAGCCACGGTACAAGCTGGTGTGGATGTTGTAGATCGAGGCACTGCATTTGAACCTGACCA
 GGATGATGGGCAAGATGAAGCCAAGCAGGGTGGTGAAGATGGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210071 representing NM_001166493
 Red=Cloning site Green=Tags(s)

MGSNGLGKAATLDELLSTCIEMFDDNGDLNDSYLPRIVLLMHRWYLSSTELAGKLLCMYRNASGES CDEF
 RLKICYFMRYWILKFP AEFNLDLGLIRMTEEFREVASQLGHEKHI SLMDISSVPSYDWMRRVTQRKKVSK
 RGKACLLFDHLEPIELAEHLTFLEHKSFRRI SF TDYQSYVIHGCLENNPTLERSIALFNGISKWVQLMVL
 SKPSAQRAEVI TKF INVAQKLLQLKNFN TLMAVVGGLSHSSI SRLK DTHSHLSSEVTKNWNEMTEL VSS
 NGNYCNRYRKA FADCDGFKIPILGVHLKDLIAVHVIFPDWMEENKVN VVKMQLSVTLSELVSLQNASHHL
 EPNMDL INLLTSLDLYHTEDDIYKLSLVLEPRNSKSQPTSP TTPNKPVVPLEWASEVVPKPDPTIINKH
 IRKLVESVFRNYDHDHDGYISQEDFESIAANFPFLDSFCVLDKDKDQGLISKDEMMAYFLRAKSQLHCKMG
 PGFIHNFQEMNYLKPTFCEHCAGFLWGIKQGYCKDCGANCHKQCKDLLVLACRRLARAPSLSSNP GSL
 PGPSPALPPVQDEVFEFPGVTAGHRDLDSRAITLVTGSSRKISVRLQRATTSQATQTEPVWSEAVWGDGSGS
 HTFPKMKSKFHDKAAKDKGFAKWENEKPTVQAGVDVVDRGTAFEPDQDDGQDEAKQG GEDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001166493

ORF Size: 2073 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001166493.1](#), [NP_001159965.1](#)

RefSeq Size: 4728 bp

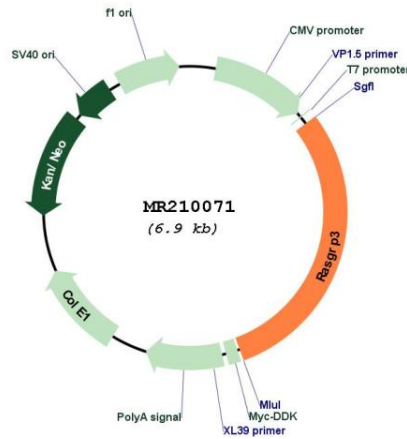
RefSeq ORF: 2076 bp

Locus ID: 240168

Cytogenetics: 17 E2

MW: 78.1 kDa

Product images:



Circular map for MR210071