

Product datasheet for RR217729

Ralgapa1 (NM_020083) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ralgapa1 (NM_020083) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ralgapa1
Synonyms:	Garn1; GRIPE; p240; Tulip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217729 representing NM_020083 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTCTAAGAAGCCGCACGGGGACGTGAAGAAGTCCACCCAGAAGGTGCTGGACACCAAGAAGGACG
CGCTGACCCGCCCTCAAGCACCTGCGCATCGTCATCGAAGATGCAGACTCTATTGACCTTAAACAGTTCTT
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CCACAGAACAAAATATTCAAGCTGGTACTCAGGCTGTTTTACAGGTGTTCAATTATAAACTCATCAAACAT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR217729 representing NM_020083
 Red=Cloning site Green=Tags(s)

MFSKPKPHGDVKKSTQKVLDTKKDALTRLKHLRIVIENADSIDLKQFFDQHFSHIYYVFFENFVTIEASLK
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 LEALLKYIVIQVKSLEWKNKENQERGFSLFHFKKFYLPYIFPNLCKENSLYHPVLDIPQVRPKPHYVM
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 SESTELSPELFDSPIQFFVLNNTTLVSCIQIRSEESVPGGGLAAGLVSANSNRIIVRDL SGKYSWDSA
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 EPTPQKQSAFYCRLLLSILGMNSWDKRRSFHLLKNEKLLRELRNLD SRQCRETHKIAVFYVAEGQED
 KYSILTNIIGGSQAYEDFVAGLWGVNLTNHCGFMGGLQKNKSTGLTTPYFATSTVEVIFHVSTRMPSESD
 DSLTKKLRHLGNDEVHIVWSEHTRDYRRGIIPTEFGDVLIVIYPMKNHMF SIQIMKKPEVPFFGPLFDGA
 IVNGKVLPI MVRSTAINASRALKSLIPL YQNFYEERARYLQTI VQHLEPTTFEDFAAQVSPAPYHHFP
 ADADH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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_020083.3](#), [NP_064468.3](#)

RefSeq Size: 7476 bp

RefSeq ORF: 6108 bp

Locus ID: 56785

UniProt ID: [O55007](#)

Cytogenetics: 6q23

MW: 229.5 kDa

Gene Summary: mouse homolog interacts with the HLH region of E12 and may be involved in neuronal differentiation [RGD, Feb 2006]