

Product datasheet for **MR208271**

Ralgps1 (BC072656) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ralgps1 (BC072656) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ralgps1
Synonyms:	mKIAA0351, RALGEF2, RALGPS1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208271 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACAAGAGGAATGGTCTGATGGCTAGCGTGTGGTCACTCTGCCACTCCACAGGGCAGCAGCAGCT
 CAGACTCGCTGGAGGGCCAGAGCTGCGACTATGCCAGCAAGAGCTACGATGCTGTCGTCTTCGACGTTCT
 GAAAGTACTCCCGAGGAGTTTGCCAGTCAGATCACATTGATGGACATCCCCGTGTTCAAAGCCATCCAG
 CCAGAGGAGTTGGCCAGTTGTGGATGGAGTAAAAAGGAGAAAACACAGTCTTGCCCCAACGTCGTGGCCT
 TTACCCGGAGGTTCAACCAGGTCAGTTTTTGGTCTGACGAGAAATCTAACAGCACAGACTTTAAAAAT
 AAGGGCAGAAATCCTGAGCCATTTGTGAAAATAGCCAAGAACTTCTAGAAGTGAACAACCTTCATTCT
 CTCATGTCTGTGGTGTGAGCATTACAAAGTCTCCATCTTCAGGCTGACAAAAACCTGGGCTCCTTTGA
 ATCGAAAAGACAAGACTACTTTTGAGAACTTGACTACCTGATGTCCAAAGAAGACAACACAAGCGAAC
 CCGGGACTACATCCGAAGTCTGAAGATGGTGGCCAGCATTCCCTATCTAGGAATCTACCTTCTGGACTTG
 ATCTACATTGATTCTGCATACCCCTGCCTCTGGCAGCATCATGGAAAACGAACAACGATCCAACCAGATGA
 ACAACATCCTCCGAATCATTGCCGATTTACAAGTTTCTGTAGCTATGATCACCTCACTACCCCTGCCACA
 TGTGCAAAAGTACCTGAAGTCTGTGCGCTACATCGAGGAGCTCCAGAAGTTTGTAGAAGATGATAATTAC
 AAGTTGTCACTCAGAATCGAACCAGGAAGCAGCTCTCCAAGACTAGTTTCGTCCAAGGAAGATCTTGCGAG
 GCCCTCTGCCGGCTCCAGCTCAGCCAGGTTCCGCCGGAGGCCACCTGTCCAGATACATCTGTGGCCGG
 CAGCTCCCCACACCGCCAGTCCCAGACACAGGAAGAGCCACAGCCTAGGCAACAACAGGGGACGCTTT
 TATGCCACGCTGGGACCTAACTGGCGGTTCCAGTTCGGAATCTCCAGAACTCGGAGCTGTGTCTACA
 GCCCCACGAGCCCTTGCACCTGTACTGTGGGAAGCTCAGCCACTGTGCCACTATGGAGGGGCTGTGAG
 ACGGAAAACCTGCTCAAGGAAGGCCGGAAGCCTGCACTGTCTCGTGGACCAGGTAAGGTTGTACTC
 TCAGGAGCCACCCTCCTTTACTATGGAGCAAGTCTTTGCGGGTACAGACAGAAAAATTATAAATCTA
 CACCTGGCAAGAAGTCTCCATCGTAGGCTGGATGGTGCAGCTGCCAGATGACCCCGAGCACCCAGATAT
 CTTCCAGCTGAATAACCCCTGACAAAGGCAATGTTTACAAGTTCAGACGGGCTCCCGTTCCATGCGATA
 CTGTGGCACAAGCATTGGATGATGCATGTAAGCAGCAGGCCCTCAGGTACCTGCAACCTTATGTCTT
 TTGAA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208271 protein sequence
 Red=Cloning site Green=Tags(s)

MYKRNLMSVLTSAATPQSSSSDLEQSCDYASKSYDAVVFVLDLKVTPPEEFASQITLMDIPVFKAIQ
 PEELASCGWSKKEKHSAPNVVAFTRRFNQVSFWVREILTAQTLKIRAEILSHFVKIAKKLLELNLHS
 LMSVVSALQSAPIFRLTKTWAPLNRKDKTTFEKLDYLSKEDNYKRTRDYIRSLKMVPSIPYLGIIYLLDL
 IYIDSAYPASGSIMENEQRSNMNLRILRIADLQVSCSYDHLTTLPHVQKYLKSVRYIEELQKFVEDDNY
 KLSLRIEPGSSSPRLVSSKEDLAGPSAGSSARFRRRPTCPDTSVAGSLPTPPVPRHRKSHLGNRRGL
 YATLGPVNRVPRNSPRTRSCVYSPTSPCTCTVGSSATVPTMEGPLRRKTLLEKGRKPALSSWTRYWVVL
 SGATLLYYGAKSLRGTDRKHYSKTPGKKSIVGWMVQLPDDPEHPDIFQLNPNPKGNVYKFTGSRFHAI
 LWHKHLDDACKSSRPQVPANLMSFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC072656

ORF Size: 1545 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: [BC072656](#), [AAH72656](#)

RefSeq Size: 6066 bp

RefSeq ORF: 1547 bp

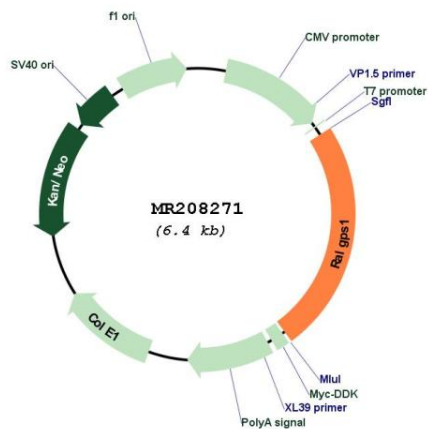
Locus ID: 241308

Cytogenetics: 2 B

MW: 58 kDa

Gene Summary: Guanine nucleotide exchange factor for the small GTPase RALA. May be involved in cytoskeleton organization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208271