

Product datasheet for MR210785

Rasa1 (NM_145452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa1 (NM_145452) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rasa1
Synonyms:	Gap; Rasa; RasGAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR210785 representing NM_145452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCGGCCGAGGCGGGCAGTGAGGAAGGCGGCCCTGCGACGGCGGGCCCCGGCGGGCGCGGCCA
CGGGCTCCAGCGCCTACTCGGCAGCGTGCCGGGTCAAGTTACCCGCGGCCCTGCCGGTGGCAGCCGCCCC
GTGTCCCGGGCTGGCGGACGCCGACTTGGTTGCGGCCCTCGTGGCGGAGCCGCTCGGGTCCGGGTTCC
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CTGGTGTGCGGCCGCCGACCTGCGGGAGACGTCGCTTTACCAAGGGGACTCTGTCTTTGCCCTGCTGA
GACGCTCGGGCCGGCGCGGATTCCCTCCTCTGCCGCCCTCCTCAGCTGCCCCCTTTGGGCTCCGGT
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TGACCGCACCTCCCACTAACAGTGGTATCATGGAAACTTGATAGAAGTATAGCAGAAGAAGCGCCTCAG
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AAAATTACTCTATCCAGTTGCACCACCAGCCAGTAGAAGATAGAAGGCGTGTACGAGCCATTCTGCC
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AGTGATGCTCAACTTATTTATTTTGAAGTGAAAAACGAGCTACAAAACAAAAGGGCTAATAGACCTTA
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 GACCTGTCTCGTACTTAGCAGCATTGCATGAGATTTGTGTAGCTCATTAGATGAAGTGAAGCAACTCA
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 ACAAACCAAGTATACAAAACCAATGACATCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210785 representing NM_145452
 Red=Cloning site Green=Tags(s)

MMAAEAGSEEGPATAGPGGAATGSSAYSAAACRVKLPALPVAAPCPGLADADLVAALGGGAASGSF
 LGTGPVAGVLGGAALTGSAAAGVAGAAAAGPAGDVAFKGTLSLPAETLPGGGFPPLPPPQLPPLGSG
 LGTVDEGDSLDPPEEEEEVAIPLTAPPTNQWYHGKLDRTIAEERLRQAGKSGSYL IRESDRRPGSFVLS
 FLSQTNVNHFR I IAMCGDYYIGRRFSSDLIGYYSHVSCLLKGEKLLYPVAPPEPVEDRRRVRAILP
 YTKVPDTEISFLKGMFIVHNELEDGMMWVTNLRDEQGLIVEDLVEEVGREEDPHEGKIWFHGKISKQ
 EAYNLLMTVGQVCSFLVRPSDNTPGDYSLYFRTNENIQRFKICPTPNQFMMGGRYNSIGDIIDHYRKE
 QIVEGYLKEPVPMDQDQVQLNDTVDGKEYNTIRRKTKDAFYKNIVKKGYLKKGKGRWKNLYF ILEG
 SDAQLIYFESEKRATKPKGLIDL SVCSVYVHDSLFGRPNCFQIVVQHFSEEHYIFYFAGETPEQAEDWM
 KGLQAFCSLRKSSPGTSNKRLRQVSSLVLHIEEAHKLPVKHFTNPHYCNIYLSNVQVAKTHAREGQNPVWS
 EEFVFDLPPDINRFEITL SNKTKSKDPDILFMRQLSRLQKGHATDEWFLLSSHIPKGIPEGSLRVR
 ARYSMEKIMPEEYSEFKELILQKELHVVYALSHVCGQDRTLLASILLKIFLHEKLESLLCTLNDREIS
 MEDEATTLFRATTLASTLMEQYMKATATQFVHHALKDSILKIMESKQSCLESPSKLEKNEDVNTNLHL
 SILSELVEKIFMASEILPPTLRYIYGCLQKSVQHKWPTNNTMRTRVVSFVFLRLICPAILNPRMFNIIS
 DSPSPIAARTLTLVAKSVQNLANLVEFGAKEPYMEGVNPFIKSNKHRMIMFLDELGNVPELPTDTEHSRT
 DLSRDLAALHEICVAHSDELRTL SNERGVQHVLLKLLAITELLQKQKQYTKTNDIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9037_d12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_145452

ORF Size: 3114 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_145452.3](#), [NP_663427.2](#)

RefSeq Size: 5101 bp

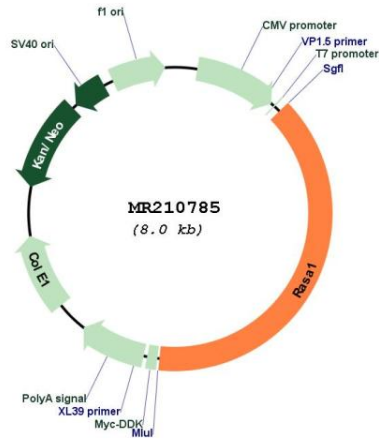
RefSeq ORF: 3117 bp

Locus ID: 218397

Cytogenetics: 13 45.05 cM

MW: 115.9 kDa

Product images:



Circular map for MR210785