

## Product datasheet for RR210535

### Rassf5 (NM\_019365) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Rassf5 (NM\_019365) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Rassf5  
 Synonyms: Maxp1; Nore1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR210535 representing NM\_019365  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGTCCCGGCCATTGGGCAGCGTCCCTACCCGCTGCTGCTAGACCCGAGCCGCGCGGTATCTGC  
 AGAGCCTGGGTGGCACCAGCCGCCACCCGCCCGCCGCGTGCCTGTATCCACAGGCCCTGATCTC  
 CGCGTCCGGGGCGTCAGAGGGTCGCGGTAGCAGGAGGAATGCCCGGGGGACCCGAGCCACGCCCGG  
 GACTGCCGACACGCTCGCCCTGTCGGCCCGGTCTGCAGCAGAGACTGCGGCGGCACCTGGGTGCGACC  
 GACCCCGCAGCTGAGGAGCATCTTCGAGCAACCGCAGGATCCCGCGTCTTAGCCGAGAGAGGAGAGGG  
 ACACCGTTTCGCGGAATTGGCGCTCCGGGTGGCCCGGGCTGGTGTGACCTGTGCGGACGAGAGGTGCTG  
 CGGCAGGCGCTGCGCTGCGCTAATTGTAATTCACCTGCCACCCAGAGTGCCGCGCCTGATCCAGCTGG  
 ACTGCAGACAGAAGGAGGGCCCTGCCCTGGACAGACAGTCTCCAGAAAGCACCCCTCACCCAACTTCAA  
 CAAGAAATGTCTGTAAAGCTGTGGAGGAGACACAGCACCCGCCACCATACAGGAGATCAAGCAGAAGATT  
 GACAGCTATAACAGCCGGGAGAAGCACTGCCTGGGCATGAAGTTGAGTGAAGATGGCACCTACACAGTT  
 TCATCAAAGTGCATTTGAAACTCCGCGGCCAGTGACGGTGCCTGCTGGGATTCGGCCCCAGTCCATCTA  
 TGATGCCATTAAGGAAGTGAACCCTGCAGCTACCACAGACAAGCGGACATCCTTCTACCTGCCACTTGAC  
 GCCATCAAGCAGCTACACATTAGCAGCAGCACCCTGTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGT  
 TCATGGTTGTGGACAACCCACAGAAGTTTGCCTTTTTAAGCGGATACACAAAGATGGACAAGTGCCTCTT  
 CCAGAACTCTCCATCGCTGACTGCCCTCTACCTTCGCTGCTGCTGCTGGTCCGACACCGACGTGCTC  
 AGCTTTGTGCTCAAGGAGAATGAAACCGGAGACGTAGAGTGGGATGCCTTTTCCATTCTGAACTCCAGA  
 ACTTCTAACTATCCTGGAAAAAGAGGAGCAGGACAAGATCCATCAACTGCAGAAGAAGTACAACAAATT  
 CCGGCAGAAACTGGAGGAGGCCTTACGAGAGTCCCAAGGGAAGCCTGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR210535 representing NM\_019365  
Red=Cloning site Green=Tags(s)

MASPAIGQRPYPLLLDPEPPRYLQSLGGTEPPPARPRRCIPTALISASGASEGRGSRNRNARGDPEPTPR  
 DCRHARVVRPGLQQLRRRPGSHRPRDVRISIFEQPQDPRVLAEREGHRFAELALRGGPGWCDLCGREVL  
 RQALRCANCKFTCHPECRSLIQLDCRQKEGALDRQSPSTLTPTFNKNVCKAVEETQHPPTIQEIKQKI  
 DSYNSREKHCLGMKLSGDGTYTGFIVHLKLRPVTVPAGIRPQSIYDAIKEVNPAAATTDKRTSFYLPDL  
 AIKQLHISSSTTVSEVIQGLLKKFMVVDNPQKFALFKRIHKDGGVLFQKLSIADCPLYLRLLAGPDTDVL  
 SFVLKENETGDVEWDAFSIPELQNFLLILEKEEQDKIHQLQKKYNKFRQKLEELRESQGKPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_019365

**ORF Size:** 1239 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\\_019365.3](#), [NP\\_062238.1](#)

**RefSeq Size:** 3424 bp

**RefSeq ORF:** 1242 bp

**Locus ID:** 54355

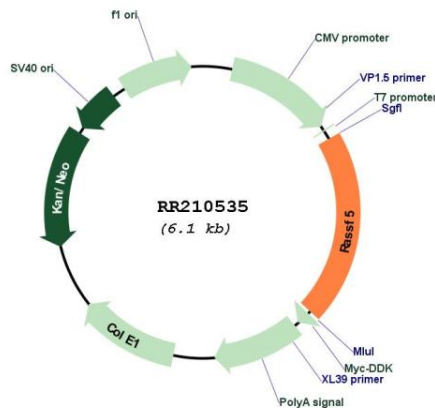
**UniProt ID:** [O35141](#)

**Cytogenetics:** 13q13

**MW:** 46.7 kDa

**Gene Summary:** interacts with guanine nucleotide exchange factor Mss4 [RGD, Feb 2006]

**Product images:**



Circular map for RR210535