

Product datasheet for MC209965

Rassf5 (NM_018750) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Rassf5 (NM_018750) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rassf5 |
| Synonyms: | 1300019G20Rik; Maxp1; Nore1; Nore1A; Nore1B; Rap1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC209965 representing NM_018750 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTCCCGGCCATCGGGCAACGTCCCTACCCGCTGCTCCTAGATCCCGAGCCGCCGGTATCTGC
AGAGTCTGGGTGGCACCAGCCGCCACCTCCCGCCGGCCGCCGCTGCATCCCCACGGCCCTGATCCC
CGCGGCCGGGGCTCAGAGGATCGCGGTGGCAGGAGAGTGGCCGGAGGGACCCGAACCCACGCCCGA
GACTGCCGACACGCTCGCCCTGTCCGGCCCGGTCTGCAGCCGAGACTGCGGCTGGCAGCTGGGTACACC
GACCCCGCGACGTGAGGAGCATTTTCGAGCAGCCGACAGGATCCCGCGTCTTGGCCGAGAGAGGCGAGGG
GCACCGTTTCGTGGAACCTGGCGCTGCGGGCGGTCCGGGCTGGTGTGACCTGTGCGGACGAGAGGTGCTG
CGGCAGGCGCTGCGCTGCGCTAATTGTAATTCACCTGCCACTCGGAGTGCCGCAGCCTGATCCAGCTGG
ACTGCAGACAGAAGGGGGCCCTGCCCTGGATAGACGCTCTCCAGAAAGCACCCCTCACCCAACTTGA
CCAGAATGTCTGTAAGGCAGTGGAGGAGACACAGCACCCGCCACGATACAGGAGATCAAGCAGAAGATT
GACAGCTATAACAGCAGGAGAAGCACTGCCTGGCATGAAGCTGAGTGAAGATGGCACCTACACAGGTT
TCATCAAAGTGCAATTTGAAGCTCCGACGGCCAGTGACGGTGGCCGCTGGGATCCGGCCCGCCAGTCCATCTA
TGATGCCATTAAGGAAGTGAACCTGCAGCCACCACAGACAAGCGGACTTCCTTCTACCTGCCACTCGAT
GCCATCAAGCAGCTACATATCAGCAGCACCCACCGTTAGTGAGGTCATCCAGGGGCTGCTCAAGAAGT
TCATGGTTGTGGACAACCCACAGAAGTTTGCATTTTTAAGCGGATACACAAAGTGGACAAGTGTCTT
CCAGAACTCTCATTGCTGACTATCCTCTCTACCTTCGTCGCTGCGTGGCCTGACACCGATGTTCTC
AGCTTTGTGCTAAAGGAGAATGAACTGGAGAGGTGGAGTGGGATGCCTTTTCCATTCTGAACTCCAGA
ACTTTTTAACTATCCTGGAAAAAGAGGAGCAGGACAAGATCCATCAACTGCAAAAGAAAGTACAACAATT
CCGTCAGAACTGGAAGAGGCATTACGAGAGTCCAAGGGAAGCCGGGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_018750 |
| Insert Size: | 1242 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | <ol style="list-style-type: none">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_018750.4 , NP_061220.2 |
| RefSeq Size: | 3410 bp |
| RefSeq ORF: | 1242 bp |
| Locus ID: | 54354 |
| UniProt ID: | Q5EBH1 |
| Cytogenetics: | 1 56.91 cM |
| Gene Summary: | <p>Potential tumor suppressor. Seems to be involved in lymphocyte adhesion by linking RAP1A activation upon T-cell receptor or chemokine stimulation to integrin activation. Isoform 2 stimulates lymphocyte polarization and the patch-like distribution of ITGAL/LFA-1, resulting in an enhanced adhesion to ICAM1. Together with RAP1A may participate in regulation of microtubule growth. The association of isoform 2 with activated RAP1A is required for directional movement of endothelial cells during wound healing (By similarity). May be involved in regulation of Ras apoptotic function. The RASSF5-STK4/MST1 complex may mediate HRAS and KRAS induced apoptosis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p> |