

Product datasheet for **RR200049**

Rassf1 (NM_001037555) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rassf1 (NM_001037555) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rassf1
Synonyms:	MGC94319
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200049 representing NM_001037555 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCGGCGGAGCCAGAACTCATTGAACTACGAGAGTTGGCACCGTCCGGGCGCATCGGTCCAGGCCGTA
CCCGGCTGGAGCGTGCCAACGCTCTGCGCATCGCGCCGGGCACAACACGCAATCCGTACAGCAGCAGCT
CCCGGTCGTGGCCACCGCTTCCAGCCTGCAGGGCCACCACGCACACGTGGTGGCAGCTCTGTGGAGAC
TTCATCTGGGGCGTCGTGCGCAAAGGCCTACAGTGCAGCGCACTGTAAGTTCACCTGCCATTACCGATGTC
GTGCGCTCGTCTGCCTGGACTGCTGCGGGCCCCGAGACCTGGGCTGGGACCTGCACTGGAGCGGGACAC
GAACGTGGATGAGGCTGTGGAGCGGGAGACACCTGATCTTTCCCAAGCTGAGACTGAGCAGAAAAATCAAG
GATTACAATGGCCAGATCAACAGCAACCTTTCATGAGCCTGAATAAGGATGGCTCCTACACCGGCTTCA
TCAAGTTCAGCTGAAACTGGTACGCCCTGTTTCAGTGCCTTCCAGCAAGAAACCGCCTTCTTGCAGGA
TGCCCGGAGGGGACGGGGCGGAGCTCAGCTGTGAAGCGCCGACCTCTTTTACTTGCCTAAGGATGCT
GTTAAGCATGTCACGTTCTGTACGAACACGCGCGTGAGGTCATTGAGGCCCTGCTTCGAAAATTCA
TGGTAGTAGATGATCCTCGAAGTTTGCACCTTTGAACGAAGTGAACGCCATGGCCAAATATACTCCG
GAAACTGTCAGATGAGGAGCAGCCCTTGAAGCTACGGCTTCTTGCAGGGCCAGTGAAAAAGCCCTGAGC
TTTGTCTGAAGGAGAATGACTCTGGGGAGGTGAATTGGGATGCCTTTCAGCATGCCTGAGCTGCACAATT
TCTTGCATCCTGCAGCGTGAAGAAGAGGAACACCTTCGCCAGATCCTGCAGAAGTATTCTCGGTGTCG
CCAGAAGATCCAGGAGCCTTGCACGCTGTCCTTTGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200049 representing NM_001037555
 Red=Cloning site Green=Tags(s)

MSAEPELIELRELAPSGRIGPGRTRLERANALRIAPGTTTRNPSQQHVPGRGHRFQPAGPTTHTWCDCGDFI
 IWGVVRKGLQCAHCKFTCHYRCRALVCLDCCGPRDLGWDPALERDTNVDEAVERETPDL SQAETE QKIK
 DYNGQINSNLFMSLNKDGSYTGF IKVQLKLRPVSVPSSKKPPSLQDARRGTGRSSAVKRRTSFYLPKDA
 VKHLHVL SRTRAREVIEALLRKF MVVDDPRK FALFERTERHGQIYFRKLSDEEQPLKLRLLAGPSEKALS
 FVLKENDSGEVNWDASFMPELHNFLRILQREEEHLRQILQKYSRCRQKIQEALHACPLG

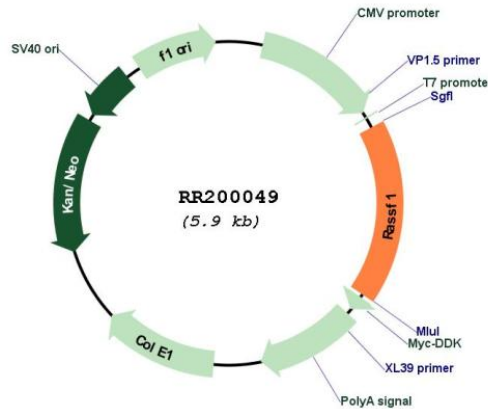
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001037555

ORF Size: 1020 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:	<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_001037555.1 , NP_001032644.1
RefSeq Size:	1148 bp
RefSeq ORF:	1023 bp
Locus ID:	363140
Cytogenetics:	8q32
MW:	38.8 kDa