

Product datasheet for **RR216624**

Rassf8 (NM_001191753) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rassf8 (NM_001191753) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rassf8
Synonyms: RGD1308820
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216624 representing NM_001191753
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACCTCAAAGTGTGGGTGGATGGAGTCCAGAGGATCGTCTGTGGGTACGGAGGTCACGACTTGCC
AGGAGGTTGTAATAGCCTTAGCCCAAGCCATAGGTCGAACTGGAAGGTACACCCTTATAGAGAAATGGAG
AGACACTGAACGTCACCTGGCACCACATGAAAACCCATTGTGTCCTTGAACAAGTGGGGCAGTATGCT
AGTGATGTGCAGCTCATCTTGCCTCGGACTGGGCCATCTCTCAGTGAGCGACCCACCTCAGACAGTGTGG
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CAAGTCCATCAGAAGGAGAGAGCCTAAAAGAAAATCTCTCACCTTACAGGAGGGGCCAAAGGGCTGACG
GACATATTTGGAAAAGGTAAAGAGACTGAGTTTAGGCAGAAGGTGCTGAGTAACTGCAGGGCAACAGCAG
AGGAGCTGACAAGGCTGATCCGGCTGCAGACGGGAAGCTGCAGGCCATCGAGAAGCAGCTGGAGTCCAG
TGAGGCAGAGATTCGATTCTGGGAGCAGAAGTACAGCTGTAGTCTGGAAGAAGAGATTGTCCGCCTAGAG
CAAAGGATCAAGAGAAAATGACGTGGAGATCGAGGAGGAAGATTCTGGGAAAACGAATTACAGATCGAGC
AGGAGAACGAGAAGCAGCTGCAGGATCAGCTGGAGGAGATGAGGCAGAAAAGTACCCGACTGCGAAGGCAG
GCTAAAGGACTACCTGGCCAAAATCCACACGATGGAGAGTGGTCTCCAGGCAGAAAACTGCACCGGAA
GTTCAGGAGGCACAGGTCAACGAGGAGGAGGTGAAAGGAAAGATCGAAAAGGTCAAGGGGAGGTGGACC
TTCAAGGACAACAGAGCCTACGCCTGGAGAACGGAATTAGAGCGGTGGCGAGGTCTCTGGGGCAGGCCAC
CAAGAGGTTACAGGACAAGGAGCAGGAGCTGGAGCAGTTGACCAAGAGCTGCGGAGGTCAACCTCCAG
CAGTTCATCCAGCAGACAGGGACCAAGGTCACTGTGCTGCCGGCCGAGCCACTGAAATCGAGGCCCTCGC
AGGCAGACATAGAGACAGAGGCACCTTTCCGCTGGGTCCCTGAAGCGACCTGGTTCATCAGGCAGCT
CCCCAGTAACCTCCGTATCCTGCAGAACCCTGTCTCCTCCGTTTTAACCTGAAGGCATCTATGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216624 representing NM_001191753
Red=Cloning site Green=Tags(s)

MELKVVVDGVQRIVCGVTEVTTCCQEVVIALAQAIGRTGRYTLIEKWRDTERHLAPHENPIVSLNKGQYA
SDVQLILRRTGPSLSERPTS DSVARIPERTLYRQSLPPLAKLRPQVDKSIRRREPKRKSLTFTGGAKGLT
DIFGKGKTEFRQKVL SNCRATAEELTRLIRLQTGKLQAI EKQLESSEAEIRFWEQKYSCSLEEEIVRLE
QRIKRNDVEIEEEEFWENELQIEQENKQLQDQLEEMRQKVADCEGRLKDYLAQIHTMESGLQAEKLRHRE
VQEAQVNEEEVKGKIEKVKEVDLQGGQSLRLENGIRAVARSLGQATKRLQDKEQELEQLTKELRQVNLQ
QFIQQTGKVTVLPAPTEIEASQADIETEAPFPSSGLKRPSSRQLPSNLRILQNPVSSGFNPEGIYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

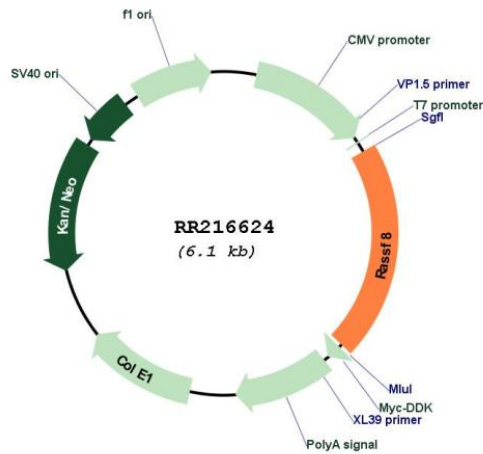
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191753

ORF Size:	1257 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_001191753.1 , NP_001178682.1
RefSeq Size:	1420 bp
RefSeq ORF:	1260 bp
Locus ID:	312846
Cytogenetics:	4q44
MW:	48 kDa