

Product datasheet for **RR208889**

Rassf4 (NM_001024275) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rassf4 (NM_001024275) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rassf4
Synonyms: MGC105606
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208889 representing NM_001024275
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGAAGATTGCTCGCCAGTTCTCATGTGCCCATCAGCGACAGCAAGTTCATTCTAAAGTCAGAGC
TCTTAAGCCTGCTTAAAACCTACAACCTGCTACCACGAGGGCAGGAGCTTCCAGCTAAGACACCGAGAGGA
AGAAGGGACTCTGATCATCGAAGGACTCCTCAACATCGCCTGGGGACTTAGACGGCCATCCGGCTCCAG
ATGCAGGATGATCGGGAACGAGTGCACCTGCCTTCTGCCACATGGGTGCCTGAGCGGCTCAGTTACCTCC
AAAAGGACGCTTACCCAGGACAGCAAGTCCCTGCTGAGGAGCCTAGCACTCAACCTGCAAAATAAGGG
AGAGGTTTCCAGAGATGGCTCAGGACCCCTGCAGGAAGAAGAGGAGGAGGTCCCAGCTTATGCGGACA
AAGAGTGATGCCAGCTGTATAATCCAGAGGAGGTGCAAAATCCCGGGCACCGGGCGAGGCCAGAAGATTC
GACGGCACCGTTCTCCATCAATGGGCACCTTTTATAACCACAAGACCTCGGTGTTACGCGCTGCCTATGG
GTCTGTGACCAACGTCCGGTTAACAGCACTATGACCACCCAGCAGGTAACCTGCTGCTAAACAAG
TTCCGGGTAGAAGATGGCCCCAGTGAGTTCGCACTCTACACCGTCCATGAGTCTGGGGAGCAGACAAAAT
TGAAAGATTGTGAGTACCCACTGATATCCAGAATCCTGCATGGGCCCTGTGAGAAAATTGCAAGATCTT
CTTGATGGAAGCTGACTTGAGTGAGGAAGTGCCCCATGATGTTGCCAGTACATTAAGTTCGAAATGCCA
GTTCTGGACAGCTTTGTTGAAAAATTAAGAAGAGGAGGAGAGAGAAAATAATCAAACCTGACCATGAAGT
TCCAAGCTTTCGCGCTGACAATGCAGCAGCGTCTGGAACAGCTGGTGGAGGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208889 representing NM_001024275
Red=Cloning site Green=Tags(s)

MKEDCSPSSHVPISDSKFIKSELLSLLKTYNCYHEGRSFQLRHREEEGTLIEGLLNIAWGLRRPIRLQ
 MQDDRERVHLP SATWVPERLSYLQKDASPQDSKVP AEEPSTQPANKGEVSRDGSGLPQEEEEVPLMRT
 KSDASCIQRCKSRAPGEAQKIRRHRFSINGHFYNHKT SVFTPAYGSVTNVRVNSTMTTQQVL TLLLNK
 FRVEDGPSEFAL YTVHESGEQTKLKDCEYPLISRILHGPCEKIVKIFLMEADLSEEVPHDVAQYIKFEMP
 VLDSFVEKLKEEEEEREI IKLTKMFQALRLTMQQRLEQLVEAK

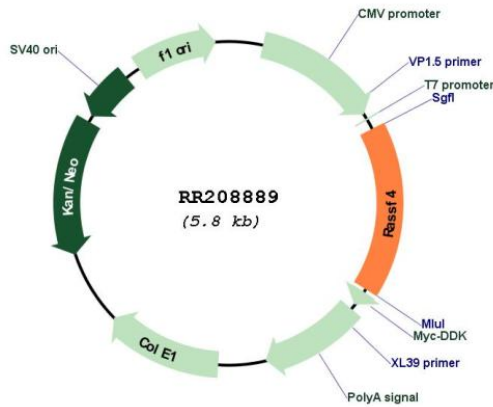
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001024275

ORF Size: 966 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_001024275.1 , NP_001019446.1
RefSeq Size:	2449 bp
RefSeq ORF:	969 bp
Locus ID:	362423
UniProt ID:	Q566C5
Cytogenetics:	4q42
MW:	37.1 kDa
Gene Summary:	Potential tumor suppressor. May act as a KRAS effector protein. May promote apoptosis and cell cycle arrest (By similarity).[UniProtKB/Swiss-Prot Function]