

Product datasheet for **MR202397**

Rassf4 (BC023245) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rassf4 (BC023245) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rassf4
Synonyms:	3830411C14Rik; AD037; AI586137
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202397 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAAGCTTGCTCTCCAGCTCTCATGTTCTGTCAGCGACAGCAAGTACATTCTGAAGTCAGAAC
TCTTAAGCCTGCTCAAACTACAACCTGCTACCATGAAGGCAGGAGCTTTCAGCTAAGACACCGAGAGGA
AGAAGGGACTCTGATCATCGAAGGACTCCTCAACATTGCCTGGGACTCAGACGACCCATCCGGCTGCAG
ATGCAGGATGATCGGGAGCGAGTGCACCTGCCGTCTGCCACATGGGTGCCTGAGAGGCTCAGCTACCTCC
AAAAGGAAGTTCACCCAGGACAGCAAGTCCCCTGAAGAGCCTGGCACTCAACCTGCAAACAAGGC
AGAGGTTTCCGGAGATAGCTCAGGAGCCCTGGAGGGGAAAGAGGAGGAGTCCCACAGCTTATGCGGACA
AAGAGCGATGCCAGCTGCATAATCCAGAGGAGTCCAAATCCCGGCACCAAGCGAAGCCAGAAGATAC
GACGGCACCGGTTCTCCATCAATGGACATTTTTATAACCACAAGGTGAAGTCCCCATCTGCCCTTCTCTG
GGCCCTGAAGCTGAGAGTACAGGAATTATCCCCAGCACAGAAGAGCGGGCCCTAACATTACAGATTTCG
TCCATTCTCCATTAGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR202397 protein sequence
 Red=Cloning site Green=Tags(s)

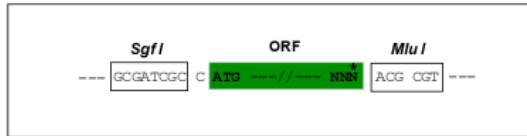
MKEACSSSSHVPVSDSKYILKSELLSLLKTYNCYHEGRSFQLRHREEEGLTIIIEGLLNIAWGLRRPIRLQ
 MQDDRERVHLP SATWVPERLSYLQKEASPQDSKVPTEEPGTQPANKAEVSGDSSGALEGEVEEVPQLMRT
 KSDASCIQRRSKSRAPSEAQKIRRHRFSINGHFYNHKVKSPSALSWALKLRVQELFPSTEERAPNIQHS
 SHSSIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC023245

ORF Size: 648 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: [BC023245](#), [AAH23245](#)

RefSeq Size: 2817 bp

RefSeq ORF: 650 bp

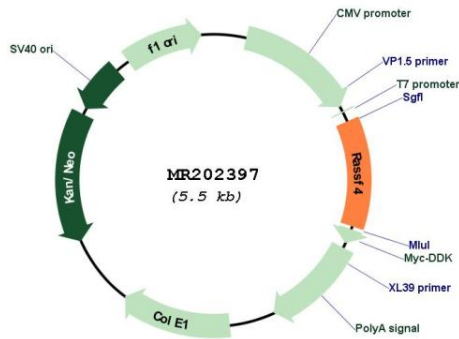
Locus ID: 213391

Cytogenetics: 6 E3

MW: 24.6 kDa

Gene Summary: Potential tumor suppressor. May act as a KRAS effector protein. May promote apoptosis and cell cycle arrest.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202397