

Product datasheet for **MG202397**

Rassf4 (BC023245) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rassf4 (BC023245) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rassf4
Synonyms:	3830411C14Rik; AD037; AI586137
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202397 representing BC023245 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAAGCTTGCTCTCCAGCTCTCATGTTCTGTCAGCGACAGCAAGTACATTCTGAAGTCAGAAC
TCTTAAGCCTGCTCAAAACCTACAACCTGCTACCATGAAGGCAGGAGCTTTCAGCTAAGACACCGAGAGGA
AGAAGGGACTCTGATCATCGAAGGACTCCTCAACATTGCCTGGGACTCAGACGACCCATCCGGCTGCAG
ATGCAGGATGATCGGGAGCGAGTGCACCTGCCGTCTGCCACATGGGTGCCTGAGAGGCTCAGCTACCTCC
AAAAGGAAGTTCACCCAGGACAGCAAGTCCCCTGAAGAGCCTGGCACTCAACCTGCAAACAAGGC
AGAGGTTTCCGGAGATAGCTCAGGAGCCCTGGAGGGGAAAGAGGAGGAGTCCCACAGCTTATGCGGACA
AAGAGCGATGCCAGCTGCATAATCCAGAGGAGTCCAAATCCCGGCACCAAGCGAAGCCCAAGATAC
GACGGCACCGGTTCTCCATCAATGGACATTTTTATAACCACAAGGTGAAGTCCCCATCTGCCCTTTCCTG
GGCCCTGAAGCTGAGAGTACAGGAATTATCCCCAGCACAGAAGAGCGGGCCCTAACATTCAGCATTTCG
TCCATTCTCCATTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202397 representing BC023245
 Red=Cloning site Green=Tags(s)

MKEACSSSSHVPVSDSKYILKSELLSLLKTYNCYHEGRSFQLRHREEEGLTIIIEGLLNIAWGLRRPIRLQ
 MQDDRERVHLPSATWVPERLSYLQKEASPQDSKVPTEEPGTQPANKAEVSGDSSGALEGEVEEVPQLMRT
 KSDASCI IQRRSKSRAPSEAQKIRRHRFSINGHFYNHKVKSPSALSWALKLRVQELFPSTEERAPNIQHS
 SHSSIR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC023245

ORF Size: 650 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

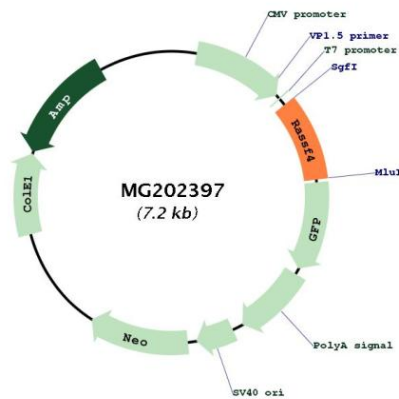
RefSeq ORF: 650 bp

Locus ID: 213391

Cytogenetics: 6 E3

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 MG202397