

Product datasheet for **RG207456**

RASSF4 (NM_032023) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | RASSF4 (NM_032023) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | RASSF4 |
| Synonyms: | AD037 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG207456 representing NM_032023 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAAGACTGTCTGCCGAGTTCTCACGTGCCATCAGTGACAGCAAGTCCATTCAGAAGTCGGAGC
TCTTAGGCCTGCTGAAAACCTACAACCTGCTACCATGAGGGCAAGAGCTTCCAGCTGAGACACCGTGAGGA
AGAAGGGACTCTGATCATCGAGGGGCTCCTCAACATTGCCTGGGGGCTGAGGCGGCCATCCGGCTGCAG
ATGCAGGATGACCGGGAGCAGGTGCACCTCCCTCCACCTCATGGATGCCAGACGGCCTAGCTGCCCTC
TAAAGGAGCCATCGCCCAGAACGGGAACATCACAGCCAGGGGCAAGCATTAGCCAGTGCACAAGGC
TGAGAGTTCACAGACAGCTCGGGGCCCTGGAGGAGGCAGAGGAGGCCCCAGCTGATGCGGACCAAG
AGCGACGCCAGTTGCATGAGCCAGAGGAGGCCAAGTGCCGCGCCCCCGGTGAGGCCAGCGCATCCGGC
GACACCGGTTCTCTATCAACGGCCACTTCTACAATCATAAGACCTCCGTGTTTACTCCAGCCTATGGATC
CGTGACCAATGTGAGGGTCAACAGCACCATGACAACCTGCAGGTGCTCACCTGCTGCTGAACAAATTT
AGGGTGAAGATGGCCCCAGTGAGTTCGCACTCTACATCGTTCACGAGTCTGGGGAGCGGACAAAATTA
AAGACTGCGAGTACCCGCTGATTTCCAGAATCTGCATGGGCCATGTGAGAAGATCGCCAGGATCTTCT
GATGGAAGCTGACTTGGGCGTGAAGTCCCCATGAAGTCGTCAGTACATTAAGTTTGAATGCCGGTG
CTGGACAGTTTTGTTGAAAAATTAAGAAGAGGAAGAAAGAGAATAATCAAACCTGACCATGAAGTTCC
AAGCCCTGCGTCTGACGATGCTGCAGCGCCTGGAGCAGCTGGTGGAGGCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207456 representing NM_032023
 Red=Cloning site Green=Tags(s)

MKEDCLPSSHVPISDSKSIQKSELLGLLKTYNCYHEGKSFQLRHREEEGLTIIIEGLLNIAWGLRRPIRLQ
 MQDDREQVHLPSTSWMPRRPSCP LKEPSPQNGNITAQGPSIQPVHKAESSTDSSGPLLEEAEAPQLMRTK
 SDASCMSQRRPKCRAPGEAQRIRRHRSF SINGHFYNHKT SVFTPAYGSVTNVRVNSTMTTLQVLTLLLNKF
 RVEDGPSEFALYIVHESGERTKLDCEYPLISRILHGPCEKIARIFLMEADLGVEVPHEVAQYIKFEMPV
 LDSFVEKLKEEEEREIIKLTMKFQALRLTMLQRLEQLVEAK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032023

ORF Size: 963 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: [NM_032023.4](#)

RefSeq Size: 2509 bp

RefSeq ORF: 966 bp

Locus ID: 83937

UniProt ID: [Q9H2L5](#)

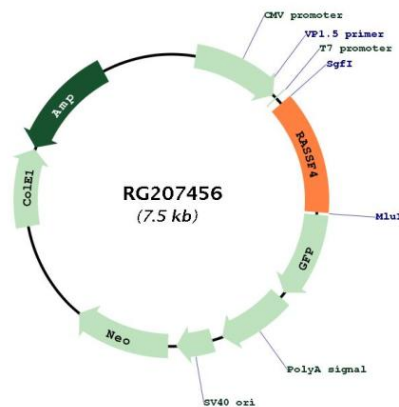
Cytogenetics: 10q11.21

Domains: RA

Protein Families: Druggable Genome

Gene Summary: The function of this gene has not yet been determined but may involve a role in tumor suppression. Alternative splicing of this gene results in several transcript variants; however, most of the variants have not been fully described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207456