

Product datasheet for **RG218087**

RASSF6 (NM_201431) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF6 (NM_201431) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RASSF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218087 representing NM_201431 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTGGGAGGAGACAGGCGCCGCCCTGCGCCGCGCGGCCTCGGACCTCCCCTACAGGATATCCT
CAGACCATCTCAAAAAGGAGGAAAAGATGACTATGATGGCTCACCAGTACCCCTCTTGGATCTTCATTAA
TGAGAAGACATTCATAACCAGGGAACAACCTAATTCTTTATTGAAGACCTATAACATTTTTATGAGAAC
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TTTTCTGGGGAGTAAAACGACCTATACAGCTAAAAATACAAGATGAGAAGCCATTCTCTTTACTAG
TATGAAGTCATCAGACGCTTCTCCAGCAAAGGAATGACACGCTGGGGGAATTTGACGATCTCTATCGT
ATTAGTGAGCTGGACAGGACCCAGATTCCTATGTCTGAAAAAGGAATCCAGGAAGACTATTTATCTT
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TGAAGCAGCTCTGGTGAGAAAAAGGATGAAGCCTCTGATGATGGACAGAAAAGAAAGACAGAAAAATAGA
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AGGTCAGAGTAAACAGTAACATGAGAACTGAAGAAGTAATAAAGCAACTTCTCAAAAATTTAAGATTGA
AAATAGTCCCAGGATTTTCTCTTACATTATTTTGAACAGGAGAAAGACGACTAAAGAAGACA
GACATTCGCTACTGCAGAGGCTCTACAGGGACCTTCTGAAAAGAAATGCTCGCATTTTCTCATGGATA
AAGATGCAGAAGAAATTAGCAGTGATGTGGCTCAGTACATTAACCTTTCACTTTTCTCTTGGAAATCCAT
TCTTCAAAGATTAATGAAGAAGAGAAAAGAGAGATTCAAAGAATAGTAACAAAATTCATTAAGAAAAAG
GCGATTATACTGAAATGTCTTCAAAAATAAACTAGTAATAAAAACAGAGACAACAGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218087 representing NM_201431
Red=Cloning site Green=Tags(s)

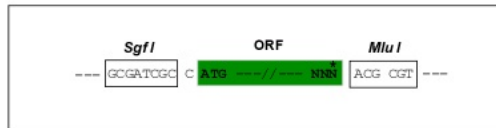
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 QKNLHILYGETEDGKLIVEGMLDIFWGVKRPIQLKIQDEKPFSSFTSMKSSDVFSSKGMTRWGEFDDLYR
 ISELDRTQIPMSEKRNSEQEDYLSYHSNTLKPHAKDEPDSPVLRYTMSEALVRKRMKPLMMDRKERQKNR
 ASINGHFYNHETSIFIPAFSETKVRVNSNMRTEEVIKQLLQKFKIENSPQDFALHIIFATGEQRRLKKT
 DIPLLQROLLQGPSEKNARIFLMDKDAEEISSDVAQYINHFHSLLESILQRLNEEEKREIQRIVTKFNKEK
 AIILKCLQNKLVIKTETTV

TRTRPLE - GFP Tag - V

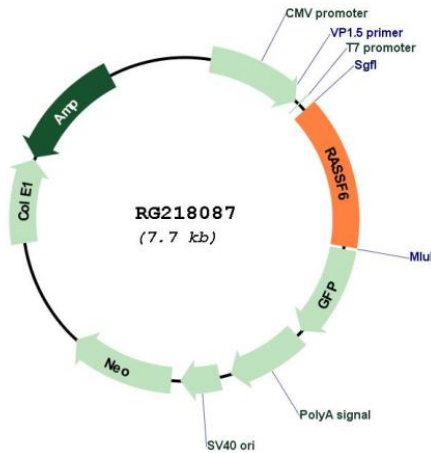
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_201431

ORF Size:	1107 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_201431.2 , NP_958834.1
RefSeq Size:	4323 bp
RefSeq ORF:	1110 bp
Locus ID:	166824
UniProt ID:	Q6ZTQ3
Cytogenetics:	4q13.3
Gene Summary:	This gene encodes a member of the Ras-association domain family (RASSF). Members of this family form the core of a highly conserved tumor suppressor network, the Salvador-Warts-Hippo (SWH) pathway. The protein encoded by this gene is a Ras effector protein that induces apoptosis. A genomic region containing this gene has been linked to susceptibility to viral bronchiolitis. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]