

## Product datasheet for SC308025

### RASSF6 (NM\_201431) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF6 (NM_201431) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASSF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308025 representing NM_201431. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCTGGGAGGAGACAGGCGCCGCCCTGCGCCGCGCGGGCCTCGGACCTCCCCTACAGGATATCC
TCAGACCATCTCAAAAAGGAGGAAAAGATGACTATGATGGCTCACCAGTACCCCTCTGGATCTTCATT
AATGAGAAGACATTTCATAACCGGAACAACCTTAATCTTTATTGAAGACCTATAACATTTTTATGAG
AACCAGAAAAATCTGCATATTTTATATGGAGAGACTGAAGATGGCAAACTAATTGTTGAAGGAATGCTG
GACATTTTCTGGGAGTAAACGACCTATACAGCTAAAAATACAAGATGAGAAGCCATTCTCTTTT
ACTAGTATGAAGTCATCAGACGTCTTCTCCAGCAAAGGAATGACACGCTGGGGGAATTTGACGATCTC
TATCGTATTAGTGAGCTGGACAGGACCCAGATTCTATGTCTGAAAAAAGGAATCCAGGAAGACTAT
TTATCTTATCACAGCAACACCCTGAAGCCACATGCAAAGGATGAACCAGACTCCCAAGTGTCTATAGA
ACCATGAGTGAAGCAGCTCTGGTGAGAAAAAGGATGAAGCCTCTGATGATGGACAGAAAAGAAAGACAG
AAAAATAGAGCCTCTATTAATGGACACTCTATAACCATGAAACATCAATTTTCATTCCAGCCTTTGAA
TCAGAACTAAGGTCAGAGTAACAGTAACATGAGAACTGAAGAAGTAATAAAGCAACTTCTCCAAAAA
TTTAAGATTGAAATAGTCCCAGGATTTTGTCTTACATTATTTTGAACAGGAGAACAAAGACGA
CTAAAGAAGACAGACATTCGGCTACTGCAGAGGCTCTACAGGGACCTTCTGAAAAGAATGCTCGCATT
TTCTCATGGATAAAGATGCAGAAGAAATTAGCAGTGATGTGGCTCAGTACATTAACCTTTCACTTTTCT
CTCTTGAATCCATTCTTCAAAGATTAAATGAAGAAGAGAAAAGAGAGATTCAAAGAATAGTAACAAAA
TTCAATAAAGAAAAGGCGATTATACTGAAATGTCTTCAAATAAACTAGTAATAAAAACAGAGACAACA
GTTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_201431


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<b>Insert Size:</b>	1110 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_201431.2</u>
<b>RefSeq Size:</b>	5950 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	166824
<b>UniProt ID:</b>	<u>Q6ZTQ3</u>
<b>Cytogenetics:</b>	4q13.3
<b>MW:</b>	43.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame exon in the 5' coding region and uses an upstream start codon compared to variant 1. It encodes isoform b which has a longer N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>