

Product datasheet for **SC125002**

RASSF3 (NM_178169) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF3 (NM_178169) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASSF3
Synonyms:	RASSF5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178169, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAGCGGCTACAGCAGCCTGGAGGAGGACGCCGAGGACTTCTTCTCACCGCCAGGACCTCCTTCT
TCAGGAGAGCGCCCCAGGGCAAGCCCCGCTCCGGCCAACAAGATGTTGAGAAAGAGAAGGAAACCCACAG
TTACCTCAGCAAAGAGGAGATCAAAGAGAAAGTTCATAAATACTTAGCAGTCACAGACAAGTTGAAG
ATGACCTTGAATTCAAATGGGATTTACTGGCTTCATTAAAGTACAGATGGAACCTGCAAACCTCCAC
AGACTTCTCAAATTCTGGAAAACCTCTCCCAGTAGCAATGGCTGTATGAATACACTTCATATCAGCAG
CACAAACTGTGCGGGAAGTGATCGAGGCCCTGCTCAAAAAGTTTCTCGTGACTGAGAGCCCTGCCAAG
TTTGCACCTTATAAGCGTTGTCACAGGGAAGACCAAGTCTACGCCTGCAAGCTCTCAGACCGGGAACATC
CACTCTACCTGCGTTTGGTAGCAGGGCCCAGAACAGACACTTAGTTTTGTTCTTCGTGAACATGAAAT
TGGAGAGTGGGAAGCCTTCAGCCTTCCAGAACTACAGAATTTCTTGCGCATCTTGACAAGGAAGAAGAT
GAACAGCTGCAGAACCTGAAGAGGCGCTACACAGCCTACAGGCAGAAGCTGGAAGAAGCCCTCCGTGAGG
TGTGGAAGCCTGATTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178169 unedited AGCGGGCGCCGACGTGCATAAGGACTGCCCGGGCCGCGCCGGGAACCTCGCGGGGC TGGCGGGCGCCGACCCCTCCCTGGCCGCTGCGCCCCGGGGAGGCTGCCCGCGCGCA CGGGACCGGCAGCATGAGCAGCGGCTACAGCAGCTGGAGGAGGACGCCGAGGACTTCTT CTTCACCGCCAGGACCTCCTTCTCAGGAGAGCGCCCCAGGGCAAGCCCCGCTCCGGCCA ACAAGATGTTGAGAAAAGAGAAGGAAACCCACAGTTACCTCAGCAAAGAGGAGATCAAAGA GAAAGTTCATAAAATACAACCTTAGCAGTCACAGACAAGTTGAAGATGACCTTGAATTCAAA TGGGATTTACACTGGCTTCATTAAGTACAGATGGAACCTGCAAACCTCCACAGACTTC TCCAAATTCTGGAAAACCTCTCTCCAGTAGCAATGGCTGTATGAATACACTTCATATCAG CAGCACAAACACTGTCGGGGAAGTGATCGAGGCCTTGCTCAAAAAGTTTCTCGTGACTGA GAACCCTGCCAAGTTTGCACCTTATAAGCGTTGTCACAGGGAAGACCAAGTCTACGCCTG CAAGCTCTTAGACCGGAAACATCACTCTACCTGCGTTGGNTAGCAGGGCCANAAACAGA CACCTTTATTTGGTTCTTGTGGACATGAAATTGGAGAGGGGGAAGCCTTACCTTCA AAACTCCAGAATTTCTGGCGCTCTGGACAAGGAAAAAAGAACAGCTGCACAACCTGAA AAG
Restriction Sites:	NotI-NotI
ACCN:	NM_178169
OTI Disclaimer:	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).
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:	<u>NM_178169.2</u> , <u>NP_835463.1</u>
RefSeq Size:	1337 bp
RefSeq ORF:	717 bp
Locus ID:	283349
UniProt ID:	<u>Q86WH2</u>
Cytogenetics:	12q14.2
Protein Families:	Druggable Genome

Gene Summary:

The RAS oncogene (MIM 190020) is mutated in nearly one-third of all human cancers. Members of the RAS superfamily are plasma membrane GTP-binding proteins that modulate intracellular signal transduction pathways. A subfamily of RAS effectors, including RASSF3, share a RAS association (RA) domain.[supplied by OMIM, Jul 2003]

Transcript Variant: This variant (1) represents the longer transcript and encodes the supported protein. 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.