

## Product datasheet for **SC308953**

### RASSF8 (NM\_007211) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF8 (NM_007211) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASSF8
Synonyms:	C12orf2; HOJ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308953 representing NM_007211. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAACCTAAAGTATGGGTGGATGGAGTTCAGAGGATTGTTTGTGGAGTCACTGAAGTCACAACCTGC
CAGGAGTTGTGCATAGCCTTAGCTCAAGCAATAGGTCGAACTGGAAGGTACACCCCTATAGAGAAATGG
AGAGATACTGAAAGACACTTAGCACCTCATGAAAATCCTATCATATCCTTAAACAAATGGGGCAGTAT
GCTAGTGTGTCAGCTCATTCTACGACGAACTGGGCCGTCTCTCAGTGAGCGACCCACTTCAGACAGT
GTGGCTCGAATTCCTGAAAGAATTTATACAGGCAGAGTCTGCCCCCTTAGCTAAACTGAGGCCTCAG
ATTGACAAATCAATCAAAAGGAGGGAACCGAAAAGGAAATCACTGACATTTACAGGAGGTGCCAAAGGA
TTAATGGACATTTTGGAAAAGGTAAAGAACTGAGTTTAAAGCAAAGGTGCTGAATAACTGCAAAACA
ACAGCAGATGAGTTGAAGAAGCTAATCCGTCTGCAGACAGAGAAGCTTCAATCCATTGAGAAACAGCTG
GAATCTAATGAAATAGAAATAAGATTTTGGGAGCAAAAGTATAATTCCAACCTTGAAGAGGAAATTTGC
CGTCTAGAGCAAAAGATCAAAAGAAACGATGTAGAAAATTGAGGAGGAAGAATTCTGGGAAAATGAATTA
CAGATTGAACAGGAAAATGAAAAACAGCTGAAGGATCACTTCAAGAAAATAGACAGAAAATAACAGAA
TGTGAAAACAAATTAAGGACTATTTGGCACAGATCCGGACTATGGAAGTGGTCTTGAAGCAGAAAAA
TTGCAACGGGAAGTTCAAGGCCACAGGTCAATGAGGAAGAGGTTAAAGGAAAGATCGGTAAAGTCAA
GGGGAGATTGACATTCAGGCCACAGAGTCTGAGGTTGGAAAATGGCATCAAAGCTGTGGAAAGATCT
CTTGGACAAGCCACCAAACGCTTACAGGACAAAGAACAGGAACTGGAGCAGTTGACTAAGGAGTTGCCG
CAAGTCAATCTCCAGCAGTTCATCCAGCAGACAGGGACAAAAGTTACCGTTTTGCCAGCGGAGCCCAT
GAAATAGAGCCCTCACATGCAGACATTGAAAGGGGATCATCATTCTTTCTGATAAGCAGGAGTGTAAA
GATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:	□
ACCN:	NM_007211
Insert Size:	1179 bp
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).
OTI Annotation:	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.
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"><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>
RefSeq:	<a href="#">NM_007211.4</a>
RefSeq Size:	2333 bp
RefSeq ORF:	1179 bp
Locus ID:	11228
UniProt ID:	<a href="#">Q8NHQ8</a>
Cytogenetics:	12p12.1
Domains:	RA
MW:	45.4 kDa

**Gene Summary:**

This gene encodes a member of the Ras-association domain family (RASSF) of tumor suppressor proteins. This gene is essential for maintaining adherens junction function in epithelial cells and has a role in epithelial cell migration. It is a lung tumor suppressor gene candidate. A chromosomal translocation t(12;22)(p11.2;q13.3) leading to the fusion of this gene and the FBLN1 gene is found in a complex type of synpolydactyly. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]

Transcript Variant: This variant (4) differs in both UTRs and in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than 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.