

## Product datasheet for **SC128045**

### RASSF8 (AY665468) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF8 (AY665468) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASSF8
Synonyms:	C12orf2; HOJ1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AY665468, the custom clone sequence may differ by one or more nucleotides

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ATGGAACCTAAAGTATGGGTGGATGGAGTTCAGAGGATTGTTTGTGGAGTCACTGAAGTCACAACCTGCC
AGGAGGTTGTCTAGCCTTAGCTCAAGCAATAGGTGCGAACTGGAAGGTACACCCTTATAGAGAAATGGAG
AGATACTGAAAGACACTTAGCACCTCATGAAAACTCATATCCTTAAACAAATGGGGGCAGTATGCT
AGTGATGTGCAGCTCATTCTACGACGAACTGGGCCGTCTCTCAGTGAGCGACCCACTTCAGACAGTGTGG
CTCGAATTCCTGAAAGAAGCTTTATACAGGCAGAGTCTGCCCCCTTAGCTAAACTGAGGCCTCAGATTGA
CAAATCAATCAAAAGGAGGGAACCGAAAAGGAAATCACTGACATTTACAGGAGGTGCCAAAGGATTAATG
GACATTTTTGGAAAAGGTAAAGAAAAGTGAAGTTAAGCAAAAGGTGCTGAATAACTGCAAAAACAACAGCAG
ATGAGTTGAAGAAGCTAATCCGTCTGCAGACAGAGAAGCTTCAATCCATTGAGAAACAGCTGGAATCTAA
TGAAATAGAAAATAAGATTTTGGGAGCAAAAGTATAAATCCAACCTTGAAGAGGAAATGTCGGTCTAGAG
CAAAAGATCAAAAGAACGATGTAGAAATTGAGGAGGAAGAAATCTGGGAAAATGAATTACAGATTGAAC
AGGAAAATGAAAAACAGCTGAAGGATCAACTTCAAGAAAATAAGACAGAAAATAACAGAATGTGAAAAACA
ATTAAGGACTATTTGGCACAGATCCGGACTATGGAAAGTGGTCTTGAAGCAGAAAAATGCAACGGGAA
GTTCAAGAGGCACAGGTCAATGAGGAAGAGGTTAAAGGAAAGATCGGTAAGGTCAAAGGGGAGATTGACA
TTCAAGGCCAGCAGAGTCTGAGGTTGGAAAATGGCATCAAAGCTGTGAAAGATCTCTTGACAAGCCAC
CAAACGCTTACAGGACAAAGAACAGGAACTGGAGCAGTTGACTAAGGAGTTGCGGCAAGTCAATCTCCAG
CAGTTCATCCAGCAGACAGGGACAAAAGTTACCGTTTTGCCAGCGGAGCCATTGAAATAGAGGCCTCAC
ATGCAGACATTGAAAGGGAGGCACCATTCAGTCTGGGTCCTGAAGCGACCTGGTTCATCTCGGCAGCT
CCCCAGTAATCTCCGATTCTGCAGAATCTATCTCATCTGGTTTTAATCCTGAAGGCATATATGTATGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AY665468 unedited</p> <pre>GGACATGACCTAACACCCCTGATGACCACTCTCAGGGACCTTGAGTGACTGGCCGGTGCAC CATGGAACCTAAAGTATGGGTGGATGGAGTTCAAAGGATTGTTTGTGGAGTCACTGAAGT CACAACCTTGCCAGGAGGTTGTCATAGCCTTAGCTCAAGCAATAGGTGCAACTGGAAGGTA CACCCCTTAGAGAAAATGGAGAGATACTGAAAGACACTTAGCACCTCATGAAAATCCTAT CATATCCTTAAACAAATGGGGCAGTATGCTAGTGATGTGCAGCTCATTCTACGACGAAC CGGGCCGTCTCTCAGTGAGCGACCCACTTCAGACAGTGTGGCTCGAATTCCTGAAAGAAC TTTATACAGGCAGAGTCTGCCCCCTTATCTAAACTGAGGCCTCAGATTGACGAATCAAT CAAAAGGAGGGAACCGAAAAGGAAATCACTGACATTTACAGGAGGTGCCAAAGGATTAAT GGACATTTTTGAAAAGGTAAAAAAGTAAAGCAAAAAGTCTGAATAACNTGCAA ACACAGCAGATGAGTTGAAGAGCTTATCCGTCTGCAGAAGAGAAGCTTCTATCCATTGAG AAACAGCTGGNATCTAATAAAAAGAAATAAATTTTTGGAGCAAAAAGATAATCCACCTG ACAGGAATATGGNCGTCTGACCAAAGTCAAAGAAAAATGTTAAATTGAGGGGGGAAAATT TGGGAATAGGATTACCCTTGACCGGAANAGAAAAACCGAGGGCCCTCACAAAATAACA AAAAAGAATGGAAAAAAAAGCTTTGGTCAATCGCTTTT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;Forward primer walk for AY665468 unedited</p> <pre>CATCATATACACATTCATCCGCANACAGGNCAAAGTTACCGTTTTGCCGGGAGCCATT GAATAGAGGCCTCACATGCAGACATTGAAAGGGAGGCACCATTCAGTCTGGGTCCCTGA AGCGACCTGGTTCATCTCGGCAGCTCCCCAGTAATCTCCGATTCTGCAGAATCCTATCT CATCTGGTTTTAATCCTGAAGGCATATATGTATGACATTATCTGTCTTTAGGGAGGAGAC CCAACAGAGGTACCAAGGACAGTAACTTCCTTTTTGATTTGTGCAATGATGAACAGAG GATCTATTCCACAAGACGCTGTATGTTTTTCTCTCTAAATTGCATACCACTTGGAGCC ATACCCTGTGCACTGATGCTAAGAACAAGAAACTGTGTTTTTACACATCAACAGTGTT GATATTTTTGTCAGCAGCTATAATGCAAAGCCTTCGTTTTTATTTGTAGCATTTTGAGA GCTTTAAGAAAGTACTATATAGTGTGTTACATAAATAATCCCGGCTTAAGTAAGAGTG AAAAGAGAATTGGGGACTGGAGTTGCTACGATTTACTGCCGGGAACCGAAGTGCGAACCG TGAAAGAAACAAAAGTGTATAAAGGGGTGAGCGTTAGCCGAGAATAAGAGAGATATAGGG GGCATTCTGTTGAGCAGACTGAGGCAAAAAGGGAAACGAGTAACTAAACCCGATTAGGA AAAGCTAATGAGGAGCGAACTGTAAATACACAGACCCGAGCAATCGACAGACTTATAAG GGGGAGTACGATACGACACTTAAAGCTGGCCCGACAAAGGCGCACAAAGGCGAGAAATGAA CAGAGGGTGAATT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AY665468
<b>OTI Disclaimer:</b>	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
<b>OTI Annotation:</b>	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
<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).

**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:** [AY665468.1](#), [AAV54603.1](#)

**RefSeq Size:** 5472 bp

**RefSeq ORF:** 5472 bp

**Locus ID:** 11228

**Cytogenetics:** 12p12.1

**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]