

Product datasheet for **SC106285**

RASAL3 (AL832868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASAL3 (AL832868) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASAL3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL832868, the custom clone sequence may differ by one or more nucleotides

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GTCCCGGTCCGGCGTCTGCCCGCCGCCCAATCTGCGGGGCCCTGGCCGCGACCCAAAGGCTCCCTGA
GCATGGGACCAGCGCCCCGCGCCCGCCTTGGACCCGGGACTCCGCCTCGCTGCCTCGGAAGCCGTCGGT
ACCCTGGCAGCGCCAAATGGACCAGCCGAAGACCGAAACCAGGCACTGGGCACGCACCGACCTGTGAAC
AAGTTGGCAGAGCTGCAGTGCGAGGTGGCCGCTCTGCGTGAGGAGCAGAAAGTGCTGTCCCGCCTCGTGG
AGTCGCTGAGCACCCAAATCCGGGCCTTGACGGAGCAGCAGGAGCAGCTGCGGGGCCAGCTGCAGGATCT
GGACTCCAGGCTCCGTGCTGGGAGCTCAGAGTTTGATTGAGAGCACAACCTAACAAGCAATGAAGGGCAC
AGTCTGAAAAACCTGGAGCACCGCCTAAATGAGATGGAGAGAAGCTCAGGCTCAGCTGAGGGATGCTGTCC
AGAGCCTGCAGCTTTCTCCAAGGACGCGGGGTCTTGGAGTCAACCCAGCCCTCAAAGCACCTGCCT
CAATGGAGACACCACCTGAGCTGCCATCCTGCCTCATCACACGTGGTCTGGGAGCAGAGAGATAGCCAT
CTTAGGGGGGTGTCTGACTTTGCCTTAGCCCTACTTGGCCTACAGTGGGGAGTGGAGCTGCTGGTCCCA
ACCACTCTGGCAGTATGAAGTTGCCAGTAAAATCTTGATTTAGTGAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AL832868 unedited <pre> GGATTTTGTAAATACGACTTACTATAGGGCGGCCGGAATTCGGCACCAGCCCAAGCACAC CCCTCTCATCTCCAANAGCCAGTCTCTGCGCAGCGTTCGCCGCTCAGAGAGTTGGGCCCCG GCCACGGCCGGACGAAGAGCGGCCCTGCGGCGGCCCGGCCGGTGCAGCGCACGCAGAG TGTCCTGGTCCGGCGTCTGCCCCGCCGCCAATCTGCGGGGCCCTGGCCGCGACCCAA AGGCTCCCTGAGCATGGGACCAGCGCCCGCGCCCGCCTTGACCCGGGACTCCGCCTC GCTGCCTCGGAAGCCGTGCTACCTGGCAGCGCCAAATGGACCAGCCGCAAGACCGAAA CCAGGCACTGGGCACGCACCGACCTGTGAACAAGTTGGCAGAGCTGCAGTGCGAGGTGGC CGCTCTGCGTGAGGAGCAGAAAGTGCTGTCCCGCCTCGTGGAGTCGCTGAGCACCCAAAT CCGGGCCCTTGACGGAGCAGCAGGAGCAGCTGCGGGGCCAGCTGCAGGATCTGGACTCCAG GCTCCGTGCTGGGTGAGCCAGCCCTCTCCATTAGCTCCGCCCCAGGTGGGCCCGATCC AATTAGATCTGACCAGGCCCTCCCCCCCCCAAAACACGCCTAGCACGGCCAAGCCCCA CCCTGGCCCCGCCCAATAAGTCTGTCCAGGCCCTGCCTTTGGCAAGCCCCGCCCCAG GTGGACCCACCAACGAAGTCTGGCCTAGGACCCTGGCAGATTCTCTCATCCAGGCCCA CCCCTCCATCAGCCCCTCCCAACCTGGCTGGGCCGGGCACTGAGATATCTCAGCCTGGGC ACTCCCTCCAGCTCAGTCACGACCCACCCAGGACTGGCCAAACCCCACTNCAAGGGATG ATTGATAGGTCTGTGATTCCACCATTNCCGTCTCTGGTCCGACCTTCTCAAGCATATT AGCCCCGCCCTCATCTGGACAGCTCGCCTCCATCCAAGCTCGCCCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	AL832868
Insert Size:	1650 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).
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:	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:	AL832868.1
RefSeq Size:	780 bp
RefSeq ORF:	780 bp
Locus ID:	64926
Cytogenetics:	19p13.12

Gene Summary:

This gene belongs to the Ras GTPase-activating proteins (RasGAP) family and encodes a protein with pleckstrin homology (PH), C2, and Ras GTPase-activation protein (RasGAP) domains. This protein is localized near or at the plasma membrane when expressed exogenously. Reduced expression of this gene in some cell lines resulted in increased levels of the active form of Ras (Ras-GTP), suggesting that this gene may play a role in negatively regulating the Ras signaling pathway. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2017]