

Product datasheet for **SC212042**

RASA1 (NM_022650) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: RASA1 (NM_022650) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: RASA1
Synonyms: CM-AVM; CMAVM; CMAVM1; GAP; p120; p120GAP; p120RASGAP; PKWS; RASA; RASGAP
ACCN: NM_022650
Insert Size: 1063 bp
Insert Sequence: >SC212042 3'UTR clone of NM_022650
The sequence shown below is from the reference sequence of NM_022650. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGTATACAAAAACCAATGATGTCAGGTAGCAGCCTTCGCCCCAGTGTCTGCATGGATTACAGCATGTC
CAACATGGTAATCACTTCAGTTAATGTCTCCTTTGCTCTTGCCAAAAATAGCACACTTTCCACAT
TCCAGTGATGTGTGAGCTATGCAAACAAAATCCAAGATTCTGCTGGTGAATAACTATGCCAGCAACCTT
GTAAGCTATCTGTGCAGGATATTTGCACTATTTCCACATGGAATCAATCTTTAACAACTCTGAGCCTT
GGTGTACAGACCACCTTTCACAAAACGAAATGCTATGACTGTATCTTGATATCTCGAACTTTCAAAATA
TATTTTCAGTACACCCAGTTGCCAAAGTTTGTGTCTCTTAGAGAAAGAACTATGAAATCAACTGACA
AGAAACACATTCTTATTGACAATTGTGTATAACTGGATTGCAGACTGTTCTTACTGTAACACTTCTCTG
ATTAGGAATATGACCATTGACTGTTCAATGATTATTTGTATTTACAGTTCCAGAGTTTGTATTATA
ATAGGAACAATCTTTGCTGTATACTTTAAAAAATACTCTGCTATTTCTCTTGCTGGAAGTTGAAAG
AAAATATATAGAATGATCTATTGCTCATCAGCTTTATTTTTTAAACATACGACTTATTTTGTGAAATT
GTCAAAGACTGTATTTAGATCTCATAATGCTTTGTAAATGTTTACAAGTAAATAGTTTGAATTCAGTA
AATATTATTGGTTGTTGATTGATCAATGCATGTTACCCATTCAACCTTTATAGACTACCAATTTCT
TTTATGTTAACTAGAATGCTTTTGTAAAAGTTATTTGTTTCAATTTTGTGCTACCCCTTTGATTATGC
AGACAACCTCATCAGCTGCCTAACTTATCCATCTTTGAACTTCTGACTACTTGTGTATCTGCTGGATA
TTAGTTCAACTGTATAGTTTTATTTACTTCTGTATGTGTATTTTTGTGAAGTATTCACAAAGGTTAAG
TTAAAATAAAACCAAGGGATATCTTGCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_022650.3</u>
Summary:	The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. Mutations leading to changes in the binding sites of either protein are associated with basal cell carcinomas. Mutations also have been associated with hereditary capillary malformations (CM) with or without arteriovenous malformations (AVM) and Parkes Weber syndrome. Alternative splicing results in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic region but retaining the same activity, appears to be abundantly expressed in placental but not adult tissues. [provided by RefSeq, May 2012]
Locus ID:	5921
MW:	41.5