

Product datasheet for SC212316

RAP1GAP (NM_001145657) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAP1GAP (NM_001145657) Human 3' UTR Clone
Symbol:	RAP1GAP
Synonyms:	RAP1GA1; RAP1GAP1; RAP1GAPII; RAPGAP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001145657
Insert Size:	1108 bp
Insert Sequence:	>SC212316 3'UTR clone of NM_001145657 The sequence shown below is from the reference sequence of NM_001145657. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGCAGCACATGCCCCAGCTGGGCTGTTAGCCGGGCCACCCCTCTGAAGGTGAAACTGAGCAGATGAG
GCCACAGAAGCACAAGGGGAAGGTGCCGTGTCAAGCCCAGGCAGACGAGACCTCTGCCCTGAAGACCAA
CACCAGCCCGTGGGCTGCCCCCTGCCTCCCCACCCTCCCCATGGCCACCCTCTGGGCTGTCTCTGCA
GGCAGAGCCGTCCAGACCTGGGATCAGGGAAGCTGCTGGCATCGTCCCCACCCAGCCTGGGGTCT
GGGCTGGGGCAGGATTGCTCAGTGGAAGCAGGACTGGGGTCTGGCTTGCCCCCTCCCTGGGCCTCCA
TCACCCCTGAGCATCCCTCTGGACTCAGAGGGAACAAGGTGGGAGAGAGAGTTTGGACAGCTCCGTGT
GGAGAGCTTAGCCCTGGAGGCAGCACAAGGAGGATGTGATATGTGGGGAGTGAGCACTGGGTTGGGA
GCCGGTCTGGTTTCCAATTTGGGTTCTGCTGTGTGACTCTGGGCAAGTCACTCTCCCTCTCTGGGCA
TGTCTGTACAAATGGACAAGATTATTTAGAGGTCAGTGAAGACTGTGATTACATGCACCTGCCTTAG
AAGGTAGGATTTTCTTCCAGGGACCTCCTATCACCCCTACCCTGCTTCTTGAGGTCCCTGGAGCCCCAG
GTGGGCTGAGGGGAGGGAGCCGGCTGTGCCAGTATGCCTCCTGGACCCCTCAGTTCTGCCACAGGTC
TGCCGATGCCCTGTCCACTGCCTACACATGACAGACAAGTAACCCCTCATGGGGATGGGGACCTACC
TGGCTCCTCAGCCAGCACCCAGCTTAACCCCTGCCATCCATGCTGGGCCCTCCAGGCCAAGAGTCTCA
GCTGGCCGAGAGTCCAGGCTTGCTCCCCGACCGCCATGGAGGGGGCAGCCCGGCACAGCTGCTGGG
AGCCCTTGTGTCTGGTCACTTTTTAGGCGTCACGCCAAAGGCCAGCCTCCTGGCCCAATACCCA
TTTTGGAAGCCCTGTGGCCGTGGATGTCGGTAACAGTTGTATAAAATAAATTCTATTTATCGCTAT
TGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG

```



[View online >](#)

Restriction Sites:	Sgfl-Mlul
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:	NM_001145657.3
Summary:	This gene encodes a type of GTPase-activating-protein (GAP) that down-regulates the activity of the ras-related RAP1 protein. RAP1 acts as a molecular switch by cycling between an inactive GDP-bound form and an active GTP-bound form. The product of this gene, RAP1GAP, promotes the hydrolysis of bound GTP and hence returns RAP1 to the inactive state whereas other proteins, guanine nucleotide exchange factors (GEFs), act as RAP1 activators by facilitating the conversion of RAP1 from the GDP- to the GTP-bound form. In general, ras subfamily proteins, such as RAP1, play key roles in receptor-linked signaling pathways that control cell growth and differentiation. RAP1 plays a role in diverse processes such as cell proliferation, adhesion, differentiation, and embryogenesis. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Aug 2011]
Locus ID:	5909
MW:	39.7