

Product datasheet for **SC211172**

RAF1 (NM_002880) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: RAF1 (NM_002880) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: RAF1
Synonyms: c-Raf; CMD1NN; CRAF; NS5; Raf-1
ACCN: NM_002880
Insert Size: 943 bp
Insert Sequence: >SC211172 3'UTR clone of NM_002880
The sequence shown below is from the reference sequence of NM_002880. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACCACGTCCCCGAGGCTGCCTGTCTTCTAGTTGACTTTGCACCTGTCTTCAGGCTGCCAGGGGAGGAGG
AGAAGCCAGCAGGCACCACTTTTCTGCTCCCTTTCTCCAGAGGCAGAACACATGTTTTTCAGAGAAGCTG
CTGCTAAGGACCTTCTAGACTGCTCACAGGCCTTAACTTCATGTTGCCTTCTTTTCTATCCCTTTGGG
CCCTGGGAGAAGGAAGCCATTTGCAAGTGTGGTGTGCTCCTCCCCACATTCCCCATGCTCAAG
GCCCAGCCTTCTGTAGATGCGCAAGTGGATGTTGATGGTAGTACAAAAGCAGGGGCCAGCCCCAGCT
GTTGGCTACATGAGTATTTAGAGGAAGTAAGGTAGCAGGCAGTCCAGCCCTGATGTGGAGACACATGGG
ATTTTGGAAATCAGCTTCTGGAGGAATGCATGTCACAGGCGGACTTTCTTCAGAGAGTGGTGCAGCGC
CAGACATTTTGCACATAAGGCACCAAACAGCCAGGACTGCCGAGACTCTGGCCGCCGAAGGAGCCTG
CTTTGGTACTATGGAACCTTTCTTAGGGGACACGTCCTCCTTTTACAGCTTCTAAGGTGTCCAGTGCAT
TGGGATGGTTTTCCAGGCAAGGCACTCGGCCAATCCGCATCTCAGCCCTCTCAGGGAGCAGTCTCCAT
CATGCTGAATTTTGTCTTCCAGGAGCTGCCCTATGGGGCGGGCCGAGGGCCAGCCTTGTCTTCTA
ACAAACAAACAAACAAACAGCCTTGTCTTAGTACATCATGTGTATACAAGGAAGCCAGGAATACA
GGTTTTCTTGATGATTTGGGTTTTAATTTTGTATTTATTGCACCTGACAAAATACAGTTATCTGATGGT
CCCTCAATTATGTTATTTAATAAAATAAATTAATTTAGGTGTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

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).



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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_002880.4
Summary:	This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2. [provided by RefSeq, Jul 2008]
Locus ID:	5894
MW:	34.7