

Product datasheet for **RN200564**

Raf1 (NM_012639) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Raf1 (NM_012639) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Raf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200564 representing NM_012639
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCACATACAGGGAGCTTGAAGACGATCAGCAATGGTTTCGGACTCAAAGATGCTGTGTTTGATG
 GCTCCAGTTGCATCTCCCTACAATTGTTCAAGCAGTTTGGCTATCAGCGTCGGCCCTCTGATGATGGCAA
 ACTCACGGATTCTTCTAAGACAAGCAATACTATCCGGTTTTCTTGCCGAATAAGCAAAGGACTGTGGTC
 AATGTGCGGAATGGGATGAGCTTGCACGACTGCCTTATGAAAGCTCTGAAGGTTAGAGGCCCTGCAGCCAG
 AGTGCTGTGCAGTGTTCAGACTTCTTCAGGAGCACAAAGGTAAGAAAGCACGCTTAGATTGGAACCCGA
 CGCCGCTCTCTGATTGGAGAAGAACTGCAAGTGGATTTTTGGATCACGTTCCACTCACAACCTACAAC
 TTTGCTCGAAAACGTTCTGAAGCTTGCACTTCTGTGACATCTGTCAAAGTTCTGCTAAATGGATTTTC
 GATGTCAGACTTGTGGCTACAAGTTTCATGAGCACTGTAGCACAAAGTACCTACTATGTGTGTGGACTG
 GAGTAATATCAGACAGCTTGTGCTTTCCAAATTCCTGCAAGTGACAGTGGAGTCCCAGCACCACCC
 TCTTTCACAATGCGTCGGATGCGAGAATCTGTTTCCCGGATGCCTGCTAGTTCACAGCACAGATACTCCA
 CACCCATGCCTTCACTTCAACACCTCCAGCCCTTCTCTGAAGTTCCCTGTCCAGAGGCAGAGGTC
 AACGTCCACTCCCAATGTCCACATGGTCAGCACCACCCTGCCTGTGGACAGCAGGATGATTGAGGATGCA
 ATTCGAAGTCACAGTGAATCAGCCTCACCTTCAGCCCTGTCCAGCAGCCCAACAACCTGAGCCCAACAG
 GCTGGTCACAGCCAAAACCCCTGTGCCAGCACAAAGAGAGAGGGCGCCAGGATCTGGGACCCAGGAAAA
 AAACAAAATTAGGCCTCGTGGGCAGAGAGATTCAAGTTATTACTGGGAAATAGAAGCCAGTGAGGTGATG
 CTGTCTACTCGGATTGGCTCGGGCTCCTTTGGCACTGTGTACAAGGGCAAGTGGCATGGAGATGTTGCAG
 TAAAGATCCTAAAGGTGGTTGACCCAACCTCCAGAGCAACTTCAGGCCTTCAGGAACGAGGTGGCTGTTT
 GCGCAAAACACGGCATGTTAATATCCTGCTGTTTACATGGGGTACATGACAAAGGACAACCTGGCGATTGTG
 ACCCAGTGGTGTGAAGGCAGCAGTCTCTACAAACCTGCATGTCCAGGAGACCAAAATTCAGATGTTCC
 AGCTAATTGACATTGCCCGCAGACAGCTCAGGGAATGGACTATTTACATGCAAAGAACATCATCCACAG
 AGACATGAAATCCAACAATATATTTCTCCATGAAGGCCTCACGGTAAAAATCGGAGATTTTGGTTTGGCA
 ACAGTGAAGTCGCGCTGGAGTGGTTCTCAGCAGGTTGAACAGCCCACTGGCTCTGTGCTGTGGATGGCC
 CAGAAGTAATCCGAATGCAGGATAACAACCCGTTCACTTCCAGTCCGATGTCTACTCTATGGCATTGT
 GCTGTATGAGCTGATGACTGGGAGCTTCCCTACTCCACATCAACAACCGAGACCAGATCATCTTCATG
 GTGGCCGTGGGTACGCCTCCCAAGATCTTAGCAGGCTCTACAAGAAGTCCCAAGGCAATGAAGAGGT
 TGGTGGCTGACTGTGTGAAGAAAGTCAAAGAAGAAAGGCCTTTGTTTCTCAGATCCTGTCTCCATTGA
 GCTGCTTCAGCACTCTCTGCCAAAATCAACAGGAGCGCCTCTGAGCCTTCCCTGCATCGGGCAGCTCAC
 ACTGAGGACATCAATGCTGTAGCTGACCACATCCCAAGGCTACCAGTCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_012639

Insert Size: 1947 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: [NM_012639.2](#), [NP_036771.1](#)

RefSeq Size: 2970 bp

RefSeq ORF: 1947 bp

Locus ID: 24703

UniProt ID: [P11345](#)

Cytogenetics: 4q42

Gene Summary: acts as a mitogenic protein kinase; mutant forms may play a role in transformation [RGD, Feb 2006]