

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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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
TTTGCTCGAAAACGTTCTGAAGCTTGCATTCTGTGACATCTGTCAAAGTTCTGCTAAATGGATTTTC
GATGTCAGACTTGTGGCTACAAGTTTCATGAGCACTGTAGCACAAAGTACCTACTATGTGTGTGGACTG
GAGTAATATCAGACAGCTTGTGCTTTCCAAATTCCTGCAAGTGCAGTGGAGTCCCAGCACCCACC
TCTTTCACAATGCGTCGGATGCGAGAATCTGTTCCCGGATGCCTGCTAGTTCACAGCACAGATACTCCA
CACCCATGCCTTCACTTTCAACACCTCCAGCCCTTCTCTGAAGGTTCCCTGTCCAGAGGCAGAGGTC
AACGTCCACTCCCAATGTCCACATGGTCAGCACCACCCTGCCTGTGGACAGCAGGATGATTGAGGATGCA
ATTCGAAGTCACAGTGAATCAGCCTCACCTTCAGCCCTGTCCAGCAGCCCAACAACCTGAGCCCAACAG
GCTGGTCACAGCCAAAACCCCTGTGCCAGCACAAAGAGAGAGGGCGCCAGGATCTGGGACCCAGGAAAA
AAACAAAATTAGGCCTCGTGGGCAGAGAGATTCAAGTTATTACTGGGAAATAGAAGCCAGTGAGGTGATG
CTGTCTACTCGGATTGGCTCGGGCTCCTTTGGCACTGTGTACAAGGGCAAGTGGCATGGAGATGTTGCAG
TAAAGATCCTAAAGGTGGTTGACCAACTCCAGAGCAACTTCAGGCCTTCAGGAACGAGGTGGCTGTTTT
GCGCAAAACACGGCATGTTAATATCCTGCTGTTTACATGGGGTACATGACAAAGGACAACCTGGCGATTGTG
ACCCAGTGGTGTGAAGGCAGCAGTCTCTACAAACCTGCATGTCCAGGAGACCAAAATTCAGATGTTCC
AGCTAATTGACATTGCCCGCAGACAGCTCAGGGAATGGACTATTTACATGCAAAGAACATCATCCACAG
AGACATGAAATCCAACAATATATTTCTCCATGAAGGCCTCACGGTAAAAATCGGAGATTTTGGTTTGGCA
ACAGTGAAGTCGCGCTGGAGTGGTTCTCAGCAGGTTGAACAGCCCACTGGCTCTGTGCTGTGGATGGCC
CAGAAGTAATCCGAATGCAGGATAACAACCCGTTCACTTCCAGTCCGATGTCTACTCTATGGCATTGT
GCTGTATGAGCTGATGACTGGGAGCTTCCCTACTCCACATCAACAACCGAGACCAGATCATCTTCATG
GTGGCCGTGGGTACGCCTCCCAAGATCTTAGCAGGCTCTACAAGAAGTCCCAAGGCAATGAAGAGGT
TGGTGGCTGACTGTGTGAAGAAAGTCAAAGAAGAAAGGCCTTTGTTTCTCAGATCCTGTCTCCATTGA
GCTGCTTCAAGCACTCTCTGCCAAAATCAACAGGAGCGCCTCTGAGCCTTCCCTGCATCGGGCAGCTCAC
ACTGAGGACATCAATGCTGTAGCTGACCACATCCCAAGGCTACCAGTCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-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]