

Product datasheet for **RR203874**

Det1 (NM_001037194) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Det1 (NM_001037194) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Det1
Synonyms:	RGD1309793
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR203874 representing NM_001037194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCATCATGTTTCCACGATTAACCTCGAAGAATCCAAAATCAAACGTCATCCACCGCTTAGAGC
 GCCGGCGCATCAGTTCAGGCAGGCAGGACCCACTGGCATCAGGTCCGAGTCTTCCACCAAGATGTCTT
 CCCCAACTTACGGTTGTCAACGTTGAAAAGCCTCCTTGTTCCTGCGTAAATTCGCGCTGACGGGCGC
 TACTTTATTGCTTTTTCGCTGACCAGACATCTTGAATCTACGAGTACCAGGGCTGTGAGGCAGCAG
 AGGACCTCTTGCAGGGATATGAAGGGGAGATCTTGTCCAATGGTAATGACCAGAGGTCGGTCAGCATCCG
 AGGCCGGCTCTTGAACGTTTTTTTGTCTGCTGCACATTACCAATGTAGCGGCAATGGCGAGCACTTG
 AACCGGGAGTGTAGCCTTTCACGGACGACTGCCGCTGTGCATCGTGGGCTCCGCTGCCTACCTCCAG
 ACGAACCTCACCTCCTTCTATGAGGTCTATCGGAACAGTGAGTCGGTGACCCCAACCCACGGTCCCC
 TCTCGAAGACTATTCCCTCCACATCATCGACCTTCACTGGCCGTTTGTGTGACACACGCACATTAAG
 TGTGACAAGGTGGTCTGTACACAATCAAGGGCTGTACCTATACAAGAATCCATCCGATATTGTCTG
 TGCAGCAGCAGACCATTATGTCTTCCAGGTGACTCCTGAAGGCACGTTTATTGACGTTCCGACCATTGG
 CCGCTTCTGTACGAGGATGACCTGCTCACTGTGTCTGCCGTTTTCCCGAGGTGACGCGGGACAGCCAG
 ACAGGCATGGCCAACCTTTTCCAGGGACCTTTCATCAACTCCTTGAAGCACCGGTTGCTGGTTTACCTCT
 GGCGCAGGGCAGAGCAAGACGGTAGCGCATGGCGAAGAGACGTTTCTTCCAGTACTTTGACCAGCTGCG
 GCAGCTGCGCATGTGGAAGATGCAGCTTCTGGATGAGAACCACCTGTTTCAAGTACACCAGCGAGGAC
 GTAGTGACGCTGCGGGTACAGACCCATCTCAGGCCTCCTTCTTGTGGTGTACAACATGGTGACAACAG
 AGGTGATTGCCGCTTTTGAACAACGTCAGATGAACTTCTGGAGCTTTTGAAGACTTCTGTGACCTCTT
 CCGCAATGCCACCCTGCACAGTGAAGTCCAGTTCCTTGTCTCAGCTTCTAGCAACAACCTTGAAGGCAG
 ATTCAGCGCCGGTTCAAAGACACAATTATAAATGCCAAGTATGGAGGGCACACTGAAGCTGTGCGCCGAC
 TGCTAGGCCAGCTCCCCATCAGTGCCAGCTTACAGTGAAGCCCTACCTGGATTTGTCTCTCTTCAG
 CTACGATGACAAGTGGGTGTGAGTATGGAGCGACCCAAGACTTGTGGAGATCACCCGATCAGGTACTTT
 ATCACCACCACAACACTACAACTGCTTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203874 representing NM_001037194
 Red=Cloning site Green=Tags(s)

MDHHVSTIKPRRIQNQNVIHRLERRRISGRAGTHWHQVRFVHQNVPNFTVVNVEKPPCFLRKFS PDGR
 YFIAFSSDQTSLEIYEYQGCQAAEDLLQGYEGEILSNGNDQRSVSI RGRLEFERFFVLLHITNVAANGEHL
 NRECSLFD DDCRCVIVGSAAYLPDEPHPPFYEYRNSES VTPNPRSPLEDYSLHIIDLHTGRLCDTRTFK
 CDKVVL SHNQGLYLKNI LAI LSVQQTIHV FQVTP EGT FIDVRTIGRF CYEDDLLTVSAVFPEVQRDSQ
 TGMANPFRDPFINSLKHRLLVYLWRRAEQDGSAMAKRRFFQYFDQLRQLRMWKMQLLDENHLFIKYTSED
 VVTLRVTDPSQASFFVYNNMVTTEVIAVFENTSDELLELFENFCDLFRNATLHSEVQFPCSASSNNFARQ
 IQRRFKDTIINAKYGGHTEAVRRLGLQLPISAQSYSGSPYLDLSLFSYDDKWVSVMERPKTCGDHP IRYF
 ITTTTTNCFK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001037194

ORF Size: 1500 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001037194.1](#), [NP_001032271.1](#)

RefSeq Size: 1873 bp

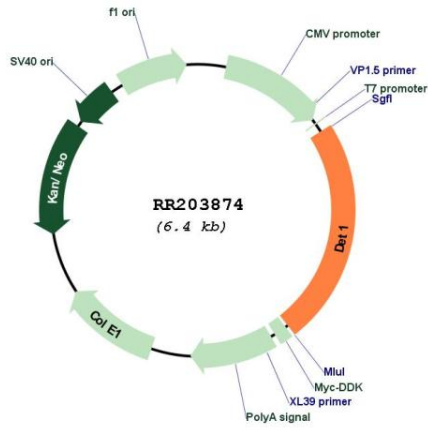
RefSeq ORF: 1503 bp

Locus ID: 308775

Cytogenetics: 1q31

MW: 58.1 kDa

Product images:



Circular map for RR203874