

Product datasheet for MR231576

Radil (NM_001289588) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Radil (NM_001289588) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Radil
Synonyms:	A1536456; D930005D10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231576 representing NM_001289588 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTATGGGACTCAGTTGATCATGTCTCTCCACCAAGAATAAGCTGAAGCGACAGAGCCAGCTCC
TATCCACAATGCTGTCCGGACTGAGCTACAAGTATCGTGACCTGGATTCCACCTTCTGCAGCCTAGG
TGCCAGTGACGACCCCTCAGAGCTCTCCACGCAGCTCTCGGCCCGGGTCTCAAGGTGTTTGGGGAC
AGTGTCTGTACAGGCACCCACTATAAGAGTGTCTTGCCACTGGCTCCTCAGTGCCAGGAGCTGGTGA
AAGAGGCACTGGAGCGCTATGCCCTGGACCCTGAGTGTGCTGGCCAGTACGTGCTATGTGATGTTGTGGG
CCAAGCTGGGACTCTGGGCAGCGGTGGCAGGCCAGTGCTTCCGAGTATTTGGCGACAATGAGAAGCCC
CTCTTGATCCAGGAGTTATGGAAACCCGAGAAGGCTTGTCCCGAGGTTTGAGCTAAGGAAGAAGTCAG
ATGTGGAAGAGCTTGATCGAGGGATGTGGATACCACCACCGCAGGGATAAACGCCCAAGCCCGGAGGCT
ACAGCGTATCCGTGCCAAGGGAACCCAGCCCTCACCTCTGAAGCTGCTCAAAGCTCCCCACCGACCAGG
CTGCGCCGTACAGTCAGCGAGACCAGCCTAAGCCAGCACCATCGCTACCTGAGGCTGCTCAGAGGCCTG
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CAGCCAGCAGCAGCAGCAGCCTGGTGTACGTGCTCAGCAAGGAACGGCACACAGTGGCCAGCGCACACCG
TCTAGCAAACCCAGCATCAGCTTGTCTGCCCCAGACATCCTGCCCTGCACTGTACCATTGCGCCGCATC
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TACCTGTGCTGTTCAAGGACCCCTGGGCAGGCACAGCCACTGCCTGCTTGTGCCCTCGCCGTCTTGGGG
CGGCACCACAGAGCTGTAGAATGTGTGGTGGTGTGCTCAGAGCCCGTGGGGCCCTTCTTGCTGCTGTC
TGTGGTCCGGCGCGTCACTGCTCCTGGAGTTTGAGCCCGATGTGGAGGACACACTGCTGCAGAGGATC
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GCCAGCTTCCCATGGCCGACCTGGTCCCGACCTGCAGCACATCCTGTTTTGGATGCAAACTCCATCG



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AGCTCCTGTAATTCATCCAGCAGAAGTCCCCGCTGTACGTGCAGAGCATGGAGGAGGAGCTGGACGTAC
 AGGCTCCAAGGAGTCGCTGTTCTCCTGCACACTGACGGCCAGCGAGGAGGCCATGGCTGCCCTGGAGGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231576 representing NM_001289588
 Red=Cloning site Green=Tags(s)

MFYGTQLIMSPPTKNKLRQSQLSTMLSRRLSYKYRDLSTFCSLGASDDPSELSTQLSAPGVLVKVF
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 LLIQELWKPREGLSRRFELRKKSDVEELASRDVDTTATAGINAQARRLQIRAKGTPALTSEAAQSSPPT
 LRRTVSETSLSPAPSLPEAAQRPEEPVPEAMRYSLYQCPHLLLLQGYSQQHDSL VYVLSKERHTVGQRT
 SSKPSISL SAPDILPLHCTIRRHQSPGGPAGTRLVLEPITGASVSVNFSEVGRNPVVLQHGDL LSLGLY
 YLLL FKDPGQAQPLPACALARLGAAPQSCRMCGAVLRARGAPSLPAAVVRRRSLLEFEPDVEDTLLQRI
 MTLIEPGDDHKLTPAFLLCLCIQHSAMHFQPGTFRHLLKISKVRDVTWEKTKELAEQAQLQEPI SW
 ASFPMADLVPDLQHILFWSNSIELLYFIQKQSPLYVQSMEEELDVTGSKESLFSCTLTASEEAMALEE
 VVLYAFQQCYYL SKCLYVCLPALLECPFQTERRESWRSGPALPEELRRVSVFQATL DLLQQLQMHP
 VASQMLAYLFFFSGTLLLNQVLDKGPSLSCFHWPRGVQVCARLQQFLEWARSAGLGAPEAFFRKL SCTL
 HLLATPRAQLIQMSWATLRVTFPALNPAQLHRLLTQYQLASAMGPVSAWEPGAPDGEAFQSEDI LESYE
 NPPPIVLP SQGFQVLEADCVEDSIYQHLLYIRHFLWGLRGQASPDSPGAQPESIEGAIMDTWAI PSSGP
 QRLSTFSSQGLYHTIPEGHLEHGCP LANRDPGRVAVETAPPHSLPVTGAPRAQPPGRQPTRGDRRSQ
 AGSLHTDSSCMLTPPSTPLGLEPAGPSWPEPSGLCGRAVLDGQRNGPGLPGAVLEGDAIQDAEPPAEAS
 SPSSSAEDFCYVFMVELERGPSGLGMGLIDGMHTPLGAQLYIQTL LPGSPAASDGRSLGDQILEVNGS
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

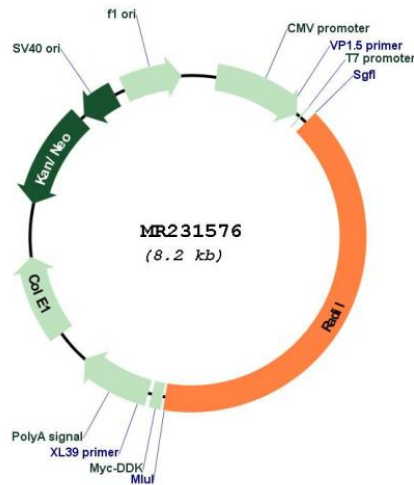
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289588

ORF Size: 3279 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:	<ol style="list-style-type: none">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:	<u>NM_001289588.1, NP_001276517.1</u>
RefSeq Size:	3796 bp
RefSeq ORF:	3282 bp
Locus ID:	231858
Cytogenetics:	5 G2
MW:	120.1 kDa
Gene Summary:	Downstream effector of Rap required for cell adhesion and migration of neural crest precursors during development.[UniProtKB/Swiss-Prot Function]