

Product datasheet for MR211583

Radil (NM_178702) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Radil (NM_178702) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Radil
Synonyms:	A1536456; D930005D10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211583 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTATGGGACTCAGTTGATCATGTCTCTCCACCAAGAATAAGCTGAAGCGACAGAGCCAGCTCC
TATCCACAATGCTGTCCCGGACACTGAGCTACAAGTATCGTGACCTGGATTCCACCTTCTGCAGCCTAGG
TGCCAGTGACGACCCCTCAGAGCTCTCCACGCAGCTCTCGGCCCCCGGGTCTCAAGGTGTTGGGGAC
AGTGTCTGTACAGGCACCCACTATAAGAGTGTCTTGGCCACTGGCTCTCCAGTGCCAGGAGCTGGTGA
AAGAGGCACTGGAGCGCTATGCCCTGGACCCTGAGTGTGCTGGCCAGTACGTGCTATGTGATGTTGTGGG
CCAAGCTGGGACTCTGGGCAGCGGTGGCAGGCCAGTGCTCCGAGTATTTGGCGACAATGAGAAGCCC
CTCTTGATCCAGGAGTTATGAAACCCCGAAGGCTTGTCCCGAGGTTTGAGCTAAGGAAGAAGTCAG
ATGTGGAAGAGCTTGCATCGAGGGATGTGGATACCACCACCGCAGGGATAAACGCCCAAGCCCGGAGGCT
ACAGCGTATCCGTGCCAAGGGAACCCAGCCCTCACCTCTGAAGCTGCTCAAAGCTCCCCACCGACCAGG
CTGCGCCGTACAGTCAGCGAGACCAGCCTAAGCCAGCACCATCGCTACCTGAGGCTGCTCAGAGGCCTG
AGGAGCCCGTCCCTGAGGCCATGCGTTACTCGCTGTACCAAGTGCACCTGCTGCTGTTGCAGGGCTA
CAGCCAGCAGCAGCAGCAGCCTGGTGTACGTGCTCAGCAAGGAACGGCACACAGTGGGCCAGCGCACACC
TCTAGCAAACCCAGCATCAGCTTGTCTGCCCCAGACATCCTGCCCTGCACTGTACCATTGCCGCCATC
AGTCCCCAGAGGGTGGCCCGGCAGGGACCAGGCTAGTGCTGGAGCCCATCACAGGGGCTTCGGTGTCAAT
CAACTTCTCAGAAGTGGGAAGGAACCCCTGTGGTGTACAACATGGCGACCTGCTCTCCCTGGGTCTCTAT
TACCTGCTGCTGTTCAAGGACCCTGGGCAGGCACAGCCACTGCCTGCTTGTGCCCTCGCCCGTCTTGGG
CGGCACCACAGAGCTGTAGAATGTGTGGTGCAGGCTCAGAGCCCGTGGGGCCCCCTTCTGCTGCTGC
TGTGGTCCGGCGGCTCACTGCTCCTGGAGTTTGTAGCCCGATGTGGAGGACACACTGCTGCAGAGGATC
ATGACACTGATTGAGCCTGGGGGTGACGACCACAAGCTGACACCTGCCTTCTCTCTGCTGCTGCATCC
AGCACTCCGCATGCACTTCCAGCCGGTACCTTCAGGCATCTCCTGCTCAAGATCTCCAAAAGGGTCCG
AGACACTGCTGGGAGAAGACCAAGAAGTACGGGAAAAGCAGGCACAACCTCCAGGAGCCATCTCTG



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GCCAGCTTCCCCATGGCCGACCTGGTCCCGACCTGCAGCACATCCTGTTTTGGATGTCAAACCTCCATCG
 AGCTCCTGTACTTCATCCAGCAGAAGTCCCCGCTGTACGTGCAGAGCATGGAGGAGGAGCTGGACGTAC
 AGGCTCCAAGGAGTCGCTGTTCTCCTGCACACTGACGGCCAGCGAGGAGGCCATGGCTGCCCTGGAGGAG
 GTGGTGTCTATGCTTTCCAGCAGTGCCTGTATTACCTCTCCAAGTGCTTGATGTCTGCCCTCCCGGCC
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 AGGGGCCCTCTCTGAGTTGCTTCCATTGGCCAGGGGTGTGCAGGTGTGTGCCCGCTGCAGCAGTTCTCT
 GGAGTGGGCCCGGAGTGTGGCCTTGGAGCACCTGCTGAGCGCTTCTTCCGGAAGCTTCTCTGCACCCTG
 CATCTGTGGCCACTCCCAGGGCTCAGCTCATCCAGATGAGTGGGCCACCCTGAGGGTCACATTCCTG
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 CGCTTGGGAGCCAGGAGCCCCAGACGGCCCGGAGGCCCTCCAGTCAGAGGACATCCTGGAGTCTATGAA
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 GGCTGGCTCTCTGCACACTGACTCCTCCTGCATGCTCACTCCGCCAGCACGCCACTGGGCTGGAGCCT
 GCAGGCCCCAGCTGGCCAGAGCCAGCGCCCTCTGTGGAAGAGCAGTCTTGACGGGCAGAGGAATGGGC
 CAGGTGGTCTGCCTGGTGCAGTCTAGAAGGAGATGCGATTACAGGATGCTGAGCCTCCTGCTGAGGCCTC
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 TTCCCGGAGCCCCGCGCATCTGATGGCGGCTGTCACTCGGAGACAAATCCTGGAGTGAATGGCAG
 CAGCCTGAGGGGTGTCACTACATGAGGGCAGTGGATTGATCCGACATGGAGGCAAGAAGATGCCATTT
 TTAGTTGCCAAGTCTGACATGAAACGGCCAAGAAAATCCGCTTCCGCAATCCCCCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211583 protein sequence
 Red=Cloning site Green=Tags(s)

MFYGTQLIMSPPTKNKLRQSQLLSTMLSRTLSTYKRDLDSTFCSLGASDDPSELSTQLSAPGVLVKVF
 SVCTGTHYKSVLATGSSSAQELVKEALERYALDPECAGQYVLCVVGQAGDSGQRWQAQCFRVFGDNEK
 LLIQELWKPREGLSRRFELRKKSDVEELASRDVDTTATAGINAQARRLQIRAKGTPALTSEAAQSSPPT
 LRRTVSETSLSPAPSLPEAAQRPEEPVPEAMRYSLYQCPHLLLLQGYSSQHQHDSL VYVLSKERHTV
 GQRTPSSKPSISL SAPDILPLHCTIRRHQSPGGPAGTRLVLEPITGASVSVNFSEVGRNPVVLQHG
 DLLSLGLY LLLL FKDPGQAQPLPACALARLGAAPQSCRMCGAVLRARGAPSLPAAVVRRRSLLE
 FEPDVEDTLLQRI MTLIEPGDDHKLTPAFLLCLCIQHSAMHFQPGTFRHLLKISKRV RDTVWEK
 TKELAEQAQLQEPI SW ASFPMADLVPDLQHILFWSNSIELLYFIQKSPLYVQSMEEELDVTGS
 KESLFSCTLTASEEAMALEE VVLYAFQQCYYL SKCLYVCLPALLECPFQTERRESWRSGPALPEEL
 RRVVSVFQATLDLLQQLQMHP E VASQMLAYLFFFSGTLLLNQVLDKGP SLSCFHWP
 RGVQVCARLQQFLEWARSAGLGAPEFRKLSCTL HLLATPRAQLIQMSWATLRVTFPALNPAQL
 HRLLTQYQLASAMGPVSAWEPGAPDGEAFQSEDI LESYE NPPPIVLP SQGFQVLEADCVEDS
 IYQHLLYIRHFLWGLRGQASPDSPGAQPESIEGLYHTIPEGHLEGH GCPLANRDPGRVAVET
 APPHSLPVTGAPRAQPPGRQPTRGDRRGSQAGSLHTDSSCMLTPPSTPLGLEP AGPSWPEPSGL
 CGRAVLDGQRNGPGLPGAVLEGD AIQDAEPPAEASSPSSAEDFCYVFMVELERGPSG LGMGL
 IDGMHTPLGAQGLYIQTLPLPGSPAASDGRSLGDQILEVNGSSLRGVSYMRAVDLIRHGGKMR
 F LVAKSDMETAKKIRFRNPPS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_178702

ORF Size: 3213 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_178702.4](#)

RefSeq Size: 3727 bp

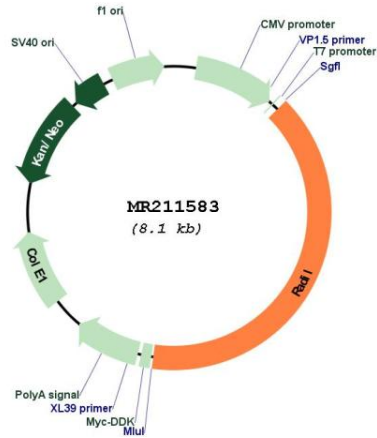
RefSeq ORF: 3213 bp

Locus ID: 231858

UniProt ID: [Q69Z89](#)

Cytogenetics: 5 G2
 MW: 117.3 kDa
 Gene Summary: Downstream effector of Rap required for cell adhesion and migration of neural crest precursors during development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211583