

Product datasheet for **MG211583**

Radil (NM_178702) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Radil (NM_178702) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Radil
Synonyms:	A1536456; D930005D10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211583 representing NM_178702 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTATGGGACTCAGTTGATCATGTCTCTCCACCAAGAATAAGCTGAAGCGACAGAGCCAGCTCC
TATCCACAATGCTGTCCCGGACTGAGCTACAAGTATCGTGACCTGGATTCCACCTTCTGCAGCCTAGG
TGCCAGTGACGACCCCTCAGAGCTCTCCACGCAGCTCTCGGCCCGGGTCTCAAGGTGTTGGGGAC
AGTGTCTGTACAGGCACCCACTATAAGAGTGTCTTGGCCACTGGCTCTCCAGTGCCAGGAGCTGGTGA
AAGAGGCACTGGAGCGCTATGCCCTGGACCCTGAGTGTGCTGGCCAGTACGTGCTATGTGATGTTGTGGG
CCAAGCTGGGGACTCTGGGCAGCGGTGGCAGGCCAGTGTTCGAGTATTTGGCGACAATGAGAAGCCC
CTCTTGATCCAGGAGTTATGAAACCCCGAAGGCTTGTCCCGAGGTTTGAGCTAAGGAAGAAGTCAG
ATGTGGAAGAGCTTGCATCGAGGGATGTGGATACCACCACCGCAGGGATAAACGCCCAAGCCCGGAGGCT
ACAGCGTATCCGTGCCAAGGGAACCCAGCCCTCACCTCTGAAGCTGCTCAAAGCTCCCCACCGACCAGG
CTGCGCCGTACAGTCAGCGAGACCAGCCTAAGCCAGCACCATCGCTACCTGAGGCTGCTCAGAGGCCTG
AGGAGCCCGTCCCTGAGGCCATGCGTTACTCGTGTACCAAGTGCACCTGCTGCTGTTGCAGGGCTA
CAGCCAGCAGCAGCAGCAGCCTGGTGTACGTGCTCAGCAAGGAACGGCACACAGTGGGCCAGCGCACACC
TCTAGCAAACCCAGCATCAGCTTGTCTGCCCCAGACATCCTGCCCTGCACTGTACCATTGCCGCCATC
AGTCCCCAGAGGGTGGCCCGCAGGGACCAGGCTAGTGCTGGAGCCCATCACAGGGGCTTCGGTGTCAAT
CAACTTCTCAGAAGTGGGAAGGAACCCCTGTGGTGTACAACATGGCGACCTGCTCTCCCTGGGTCTCTAT
TACCTGCTGCTGTTCAAGGACCCTGGGCAGGCACAGCCACTGCCTGCTTGTGCCCTCGCCCGTCTTGGGG
CGGCACCACAGAGCTGTAGAATGTGTGGTGCAGGCTCAGAGCCCGTGGGGCCCCCTTCTGCTGCTGC
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AGCACTCCGCATGCACTTCCAGCCGGTACCTCAGGCATCTCCTGCTCAAGATCTCCAAAAGGGTCCG
AGACACTGCTGGGAGAAGACCAAGAAGTACGGGAAAAGCAGGCACAACCTCCAGGAGCCATCTCCTGG



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GCCAGCTTCCCCATGGCCGACCTGGTCCCGACCTGCAGCACATCCTGTTTTGGATGTCAAACCTCCATCG
 AGCTCCTGTACTTCATCCAGCAGAAGTCCCCGCTGTACGTGCAGAGCATGGAGGAGGAGCTGGACGTCAC
 AGGCTCCAAGGAGTCGCTGTTCTCCTGCACACTGACGGCCAGCGAGGAGGCCATGGCTGCCCTGGAGGAG
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 CAGCCTGAGGGGTGTCACTACATGAGGGCAGTGGATTGATCCGACATGGAGGCAAGAAGATGCCATTT
 TTAGTTGCCAAGTCTGACATGGAACCGCCAAGAAAATCCGCTTCCGCAATCCCCCTTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211583 representing NM_178702
 Red=Cloning site Green=Tags(s)

MFYGTQLIMSPPTKNKLRQSQLLSTMLSRTLSYKYRDL DSTFCSLGASDDPSELSTQLSAPGVLVKVF
 SVCTGTHYKSVLATGSSSAQELVKEALERYALDPECAGQYVLCVVVQAGDSGQRWQAQCFRVFGDNEKP
 LLIQELWKPREGLSRRFELRKKSDVEELASRDVDTT TAGINAQARRLQIRAKGTPALTSEAAQSSPPT
 LRRTVSETSLSPAPSLPEAAQRPEEPVPEAMRYSLYQCPHLLLLQGYSSQHQHSLVYVLSKERHTVGRTP
 SSKPSISLSAPDILPLHCTIRRHQSPEGGPAGTRLVLEPITGASVSVNFSEVGRNPVVLQHGDL LSLGLY
 YLLL FKPDPQAQPLPACALARLGAAPQSCRMCGAVLRARGAPSLPAAVVRRRSLLEFEPDVEDTL LQRI
 MTLIEPGDDHKLTPAFLLCLCIQHSAMHFQPGTFRHLL LKISKRV RDTVWEKTKELAEKQAQLQEPI SW
 ASFPMADLVPDLQHILFWSNSIELLYFIQKSPLYVQSMEEELDVTGSKESLFSCTLTASEEAMAAL EE
 VVLYAFQQCYYLSKCLYVCLPALLECPFQTERRESWRS GPALPEELRRVVSVFQATLDLLQLQMHP E
 VASQMLAYLFFFSGTLLLNQVLDKGP SLCFHWPRGVQVCARLQQFLEWARSAGLGAPAEFRKL SCTL
 HLLATPRAQLIQMSWATLRVTFPALNPAQLHRLLTQYQLASAMGPVSAWEPGAPDGPEAFQSEDI L ESYE
 NPPPIVLPSQGFQVDEADCVEDSIYQHLLYIRHFLWGLRGQASPDSPGAQPE SIEGLYHTIPEGHLEGH
 GCPLANRDPGRVAVETAPPHSLPVTGAPRAQPPGRQPTRGDRRGSQAGSLHTDSSCMLTPPSTPLGLEP
 AGPSWPEPSGLCGRAVL DQGRNGPGLPGAVLEGD AIQDAEPPAEASSPSSAEDFCYVFMVELERGPSG
 LGMGLIDGMHTPLGAQGLYIQTL L PGSPAASDGR LSLGDQILEVNGSSLRGVSYMRAVDLIRHGGKMR F
 LVAKSDMETAKKIRFRNPPS

TRTRPLE – GFP Tag – V

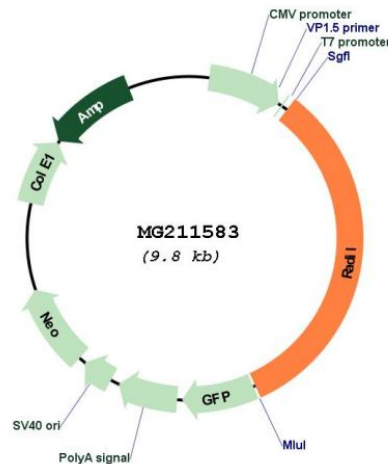
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178702

ORF Size: 3210 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_178702.4</u>
RefSeq Size:	3696 bp
RefSeq ORF:	3213 bp
Locus ID:	231858
UniProt ID:	<u>Q69Z89</u>
Cytogenetics:	5 G2
Gene Summary:	Downstream effector of Rap required for cell adhesion and migration of neural crest precursors during development.[UniProtKB/Swiss-Prot Function]