

Product datasheet for **RR213686**

Radil (NM_001037218) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Radil (NM_001037218) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Radil
Synonyms: RGD1306155
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213686 representing NM_001037218
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGTTTTATGGGACTCAGTTCATCATGTCTCTCCACCAAGAATAAACTGAAGCGACAGAGCCAGCTAC
TATCTTCTATGCTGTCCGGACTGAGCTACAAGTATCGTGACCTAGACTCCACCTTCTGCAGCCTAGG
TGCCAGTGATGACCCCTCGGAGCTCTCCACGCAGCTCTCAGCCCTGGGGTCTGAAGGTGTTTGGGGAC
AGTGTCTGTACAGGCACCCACTATAAGAGCGTCTGGCCACTGGCGCTTCCAGCGCCAGGAGCTGGTGA
AAGAGGCACTGGAGCGCTATGCCCTGGATCCCGAGTGTGCCAGCCAGTATGTGCTATGTGATGTTGTGGG
CCAGGCTGGGGACTCTGGGCAGCGGTGGCAGGCCAGTGTCTCCGAGTGTGGGGACAATGAGAAGCCC
CTCTTGATTGAGGAGTTATGGAAGCCCCGAGAAGGCTTGTCCCGAGGTTTGTAGCTAAGGAAGAAGTCA
ATGTGGAAGAGCTGGCGGCGAGGGATGTGGATACCACCACAGCAGGGATAAACGCCAAGCTCGGAGGCT
ACAGCGTATCCGTGCCAAAGGAACCCAGCCCTCACCTCTGAGACTGCCCAAAGCTCCCCACCAACCGGG
CTGCGCCGTACAGTCAGCGAGACCAGCCTAAGCCCAACACCAACGCTACCTGAGGCTGCCAGAGGCCTG
AGGAGCCCTCCCTGACAGCATGCGTTACTCACTGTACCAGTGCCCGCACCTGCTGTTGCAGGGTCA
CAACCAGCAGCAGCAGCCTGGTGTACGTGCTCAGCCGGAGCGGCACACAGTGGCCAGCGCACGCC
TCCAGCAAACCCAGCATCAGCTTGTCTGCCCCAGACATCCTGCCTCTGCACTGCACCATTGCGCCGACC
AGTCCCCAGATGGTGGCCGCGGGGACCAGGCTAGTGTGGAGCCCATCGCAGGGGCACCGGTGTCAGT
CAACTTCTCAGAAGTGGGAAGGAACCCCGTGGTGTACAACATGGCGACCTGCTCTCCCTGGGTCTCTAC
TACCTGTCTGTTCAAGGACCCAGGGCAGGCGCAGCCACTGCCTGCCTGTGCCCTCGCCGTCTTGGG
CAGCCCCAGAGCTGTAGAATGTGTGGTGGCGGCTCAAAGCCCGGGCCGGTCTCTGCTGCTGCTG
TGTGGTGGCGCGGCTCACTGTTCTGGAGTTTGAGCCCGACGTGGAGGACACACTGCTGCAGAGGATC
ATGACACTGATTGAGCCTGGAGGGATGACCACAAGCTGACACCCGCTTCTCTCTGCTCTGCATCC
AGCACTCTGCCACTCACTTCCAGCCGGTACCTTCAGGCATCTCCTGCTCAAGATCGCCAAAAGGATCCG
AGACACTGCTGGGAGAAGACCAAGAAGTAGCAGAAAAGCAGGCGCAACTGCAGGAACCCATCTCTGG
GCCAGTTCCTGAGGCGACCTGGTTCCTGACCTGCAGCACATTCTTTTTGGATGCAAACCTGCATCG



AACTCCTGTA... (Full DNA sequence text)

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213686 representing NM_001037218
Red=Cloning site Green=Tags(s)

MFYGTQFIMSPPTKNLKRQSQLSSMLSR... (Full protein amino acid sequence text)

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

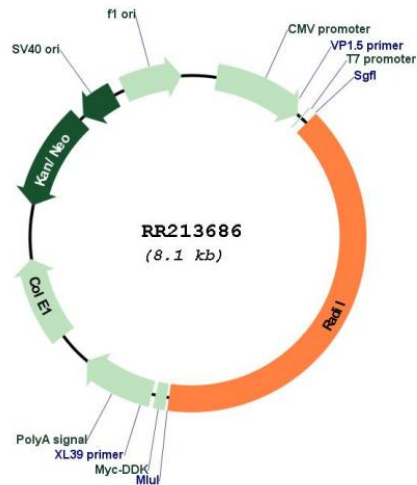
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001037218

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:	<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_001037218.2, NP_001032295.2</u>
RefSeq Size:	3687 bp
RefSeq ORF:	3216 bp
Locus ID:	304299
Cytogenetics:	12p11
MW:	117.3 kDa