

Product datasheet for **RR206228**

Rptor (NM_001134499) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rptor (NM_001134499) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rptor
Synonyms: RGD1311784
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206228 representing NM_001134499
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCGGAGATGCTGCAGTCGCTCTTATGGGACTCGGGGAGGAAGATGAGGCAGACCTTACAGATT
 GGAACCTGGCTTTGGCGTTTATGAAAAAGAGACATTGTGAGAAAATTGAAGGCTCCAATCTTTAGCACA
 GAGCTGGAGAATGAAGGATCGGATGAAGACCGTCAGTGTGCCTTGGTCCTGTGCCTGAATGTGGGTGTG
 GATCCTCCAGATGTGGTGAAGACCACACCTTGTGCTCGATTGGAATGCTGGATTGATCCTCTGTCTATGG
 GTCCTCAGAAAAGCTCTGAAAACCATCGGTGCAAACTACAGAAGCAGTATGAGAAGTGGCAGCAAGGGC
 TCGGTACAAGCAGAGCCTTGACCCCACTGTGGATGAAGTCAAGAACTTTGCACATCTCTGCGTCGGAAC
 GCCAAGGAGGAACGGGTCTTCCACTATAATGGCCATGGGGTGGCCAGGCCTACGGTGAATGGAGAGG
 TCTGGGTCTTCAACAAGAACTACACTCAGTACATCCCACTGTCCATATATGACCTGCAGACGTGGATGGG
 CAGCCCATCCATCTTTGTCTACGACTGCTCCAATGCTGGCCTCATCGTCAAGTCCCTCAAACAGTTCCGA
 CTGCAGAGGGAGCAGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 CTCCCTCAATGAAAAACTGCATCCAGCTGGCAGCCTGTGAGGCCACGAGCTCCTGCCGATGATCCCTGA
 CCTCCCAGCCGACCTGTTACATCTGCTCACCCTCCATCAAGATTGCTTTGCGCTGGTTTTGCATG
 CAGAAGTGTGTTAGTCTGGTGCCTGGAGTCACACTGGATTTGATAGAAAAGATCCCTGGCCGGCTGAATG
 ACCGGAGAACCCCTCTGGGTGAAGTGAAGTGGATCTTACAGCCATCACAGACACCATCGCTGGAATGT
 GCTCCCTCGGATCTCTTTCAAAGCTTTTCCGACAGGACCTGCTGGTGGCAAGTTGTTTGAAGATTTT
 TTATTGGCAGAAAGAATCATGAGTGTGATAAATGCACCCAGTAAGCAGCCACGACTTCCCCAACAT
 ACATGCATGCCATGTGGCAGGCTGGGACCTTGTGTGGACATTTGCCTCTCTCAACTGCCAACCATCAT
 CGAAGAGGGAAGTGCCTCAGGCACAGCCATTCTTTGCTGAGCAGCTGACGGCATTCCAGGTGTGGCTC
 ACCATGGGTGTGAAAACAGGAGCCCCCGAGCAGCTGCCATCGTCTACAGGTGCTGCTAAGCCAGG
 TGACCCGCTGAGAGCCTTGGACTTGTGGGACGATTTTGGACTTGGGCCCTTGGCGGTGAGCTTGGC
 CCTGTGCGTGGGCATCTTCCCCTATGACTGAAGCTGCTTCAAGCTCGGCCGAGAGCTGCGGCCACTC
 CTTGTCTCATCTGGCCAAAATCCTCGCTGTGGACAGTTCATGCCAGGCTGACCTCGTGAAGGACAACG



[View online >](#)

GTCACAAGTACTTCTGTCCGTCTTGGCAGACCCATACATGCCAGCTGAACACAGGACCATGACAGCCTT
CATTCTTGCTGTAATCGTCAACAGCTACACAACAGGGCAAGAAGCCTGCCTGCAGGGGAACCTGATTGCC
ATCTGTTTGGAGCAGCTCAGTGACCCACACCCCTTGCTACGCCAGTGGGTGGCCATTTGCCCTGGGAAGGA
TCTGGCAGAACTTTGATTCTGCAAGGTGGTGTGGGGTGGAGAGACAGCGCCACGAAAACTCTATAGCCT
CCTCTCCGACCCCATCCCTGAGGTACGATGTGCAGCTGTGTTGCCCTTGGTACCTTTGTGGAACTCT
GCTGAGAGGACAGACCACTCTACTACCATTGACCACAATGTGGCCATGATGCTGGCTCAGCTGATTAATG
ATGGAAGCCCATGGTCCGGAAGGAGCTGGTGGTGGCTCTGAGTACCTTGTAGTCCAATATGAGAGCAA
TTTCTGCACTGTGGCCCTGCAGTTCATGGAAGAGGAAAAGAACTACCCCTTGCCTTCTCCAGCAGCCACA
GAGGGAGGGAGCTTGACTCCAGTTCGAGACAGCCGTGCACCCCAAGACTCCGGTCAGTGAGCTCTATG
GGAACATCCGAGCCGTCAACCACAGCTAGGAACCTGAACAAATCTTTCAGAACCTGAGCTTGACGGAAGA
ATCGGGCAGCTCAGTGGCCTTCTCTCCCGGAACCTCAGTACAAGTAGTAGTGCCAGCAGCACCTTGGGA
AGCCCTGAGAACGAGGAGTATATCTGTCTTCGAGACCATCGACAAGATGCGGCGTGTGAGCTCTATT
CAGCGCTCAACTCCCTCATAGGAGTCTCCTTAAATAGTGTCTACACTCAGATTTGGAGAGCTTACTGCA
TTTGGCCGCTGATCCCTACCCAGATGTTTCTGACTTAGCCATGAAAGTCTCAACAGCATTGCTTACAAG
GCCACAGTCAACGCCCGCCCGCAGGAATCCTCGACACATCCTCTCTCACACAGTCGGCCCGCCAGCCAGCC
CAACCAACAAGGCATGCACATCCACCAGGTGGGAGGCTCCCGCCAGCATCTAGCACCAGCAGCTGCAG
CCTGACCAATGATGTGGCCAAGCAGACGGTCAGCCGTGACCTGCCCTCCAGCCGCGCCGGTACTGCCGGC
CCCACAGGGGCACAGTACACCCCTCACTCCCACAGTTCCCTCGTACACGAAAGATGTTTGACAAAGGCC
CTGATCAGACCACAGACGATGCAGATGATGCTGCCGGACACAAGAGCTTCATTTGTGCCACTATGCAGAC
GGGTTCTGTGACTGGAGTGCCCGCTACTTTGCCAGCCGGTCATGAAGATCCCTGAAGAGCATGACCTA
GAGAGTCAGATCCGAAGGAGCGTGAGTGGCGTTCTGAGGAACACTCGAGTCAGGAAGCAGGCACAGC
AGGTCATCCAGAAGGGCATCACCAGACTGGATGATCAGATATTTCTGAACAGGAACCCCGCGCTTCCCTC
TGTGGTCAAATTCACCCCTTACACCATGCATAGCTGTTGCTGACAAGGACAGCATCTGTTTTTGGGAC
TGGGAGAAAGGAGAGAAAAGTGGACTACTTCCACAATGGTAACCCCTCGGTACACCAGAGTCACTGCTATGG
AGTACCTGAATGGCAGGACTGCTCCTTGTGCTGACAGCCACAGACGATGGAGCCATCAGGGTCTGGAA
AAATTTTGTGATTTGGAAAAGAATCCAGAGATGGTACTGCGTGGCAAGGGCTCTCAGACATGCTTCCA
ACAACACGAGGAGCTGGGATGGTGGTGGACTGGGAACAAGAAAAGTGGCTCCTCATGAGCTCAGGGGACG
TGCGCATTGTCCGGATCTGGGATACCGACCGGGAGACGAAGGTCCAGGACATCCACCGGGGCGGACAG
CTGTGTGACAAGTTTATCTTGTGATTGCGACCGCTCACTATTGTAGCTGGCTGGGTGATGGCTCGATC
CGTGTCTACGACAGGAGGATGGCACTCAGTGAATGCCGGTTCATGACTTACCGAGAGCACACAGCATGGG
TGGTAAAGGCCTACCTGCAGAAGCACCTGAGGGCCACATCGTGAGTGTGAGTGTCAATGGAGATGTGCG
ATTCTTCGATCCTCGGATGCCTGAGTCTGTGAATGTAATGCAGATTGTGAAGGGCTGACAGCCCTCGAC
ATCCACCCCGAGCAAACCTGATCGCCTGTGGCTCCATGAACCAGTTCACAGCCATCTACAACGGCAATG
GGGAGCTGATCAACAACATAAATACTACGATGGCTTCATGGGCCAGCGAGTCGGGGCCATCAGTGCCT
GGCTTTCACCCACACTGGCCTCATCTGGCCGTGGAAGCAATGACTACTACATTTCTGTATATTCGGTG
GAGAAGCGTGTGACA

ACGCGTACGCGGGCGCTCGAGCAGAAAAGTCACTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR206228 representing NM_001134499
 Red=Cloning site Green=Tags(s)

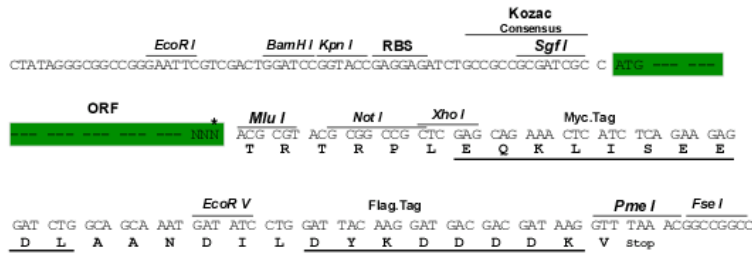
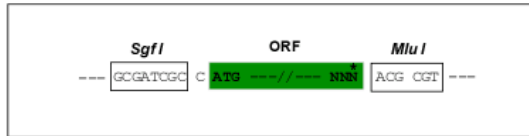
```
MESEMLQSPMLMGLGEEDEADLTDWNLPLAFMKKRHCEKIEGSKSLAQSWRMKDRMKTVSVALVLCCLNVGV
DPPDVVKTTPCARLECWIDPLSMGPQKALETIGANLQKQYENWQPRARYKQSLDPTVDEVKKLCTSLRRN
AKEERVLFFHYNGHGVPRPTVNGEVVWFNKNYTQYIPLSIYDLQWWMGSPSIFVYDCSNAGLIVKSFQKFA
LQREQELEVAAINPNHPLAQMPLPPSMKNCIQLAACEAHELLPMIPDLPADLFTSCLTTPPIKIALRWFQCM
QKCVSLVPGVTLDLIEKIPGRLNDRRTPLGELNWIFTAITDTIAWNVLPDLFQKLFQDLVASLFRNF
LLAERIMRSYNCTPVSSPRLPPTYMHAMWQAWDLAVDIDLSQLPTIIEEGTAFRHSPFFAEQLTAFQVWL
TMGVENRSPPEQLPIVLQVLLSQVHRLRALDLLGRFLDLGPWAVSLALSVMGIFPYVLKLLQSSARELRPL
LVFIWAKILAVDSSCQADLVKDNHGYFLSVLADPYMPAEHRTMTAFILAVIVNSYTTGQEAQLQNLIA
ICLEQLSDPHLLRQWVAICLGRWQNFDSARWCGVRDSAHEKLYSLLSDPIPEVRCAAVFALGTFVGN
AERTDHSSTIDHNVAMMLAQLINDGSPMVRKELVVALSHLVVQYESNFCTVALQFMEEKNYPLSPAAT
EGGSLTPVRDSPCTPRLRSVSSYGNIRAVTTARNLNKSLQNLSTEEGSSVAFSPGNLSTSSASSTLG
SPENEYILSFETIDKMRRVSSYSALNSLIGVSFNSVYTIWRVLLHLAADPYPDVSDLAMKVLNSIAYK
ATVNARPQRILDTSSLTQSAPASPTNKGMHIHQVGGSPASSTSSCSLTNDVAKQTVSRDLPSSRPGTAG
PTGAQYTPHSHQFPRTRKMFDFKGPDTDDADDAAGHSFICATMQTGFCWDSARYFAQPMKIPPEHDL
ESQIRKEREWRF LRNTRVRKQAQQVIQKGITRLDDQIFLNRNPGVPSVVKFHPFTPCIAVADKDSICFWD
WEKGEKLDYFHNGNPRYTRVTAMEYLNQDSCSLLTATDDGAIKRVWKNFADLEKNPEMVTAWQGLSDMLP
TTRGAGMVDWEQETGLLMSSGDVRIVRIWDTDRETKVQDIPTGADSCVTSLSCDSHRSLIVAGLGDGSI
RVYDRRMLSECRVMTYREHTAWVVKAYLQKHPEGHIVSVVNGDVRFFDPRMPESVNVMQIVKGLTALD
IHPQANLIACGSMNQFTAIYNGGELINNIKYYDGMGQRVGAISCLAFHHPHPLAVGSDNYIIVSYVS
EKRRV
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

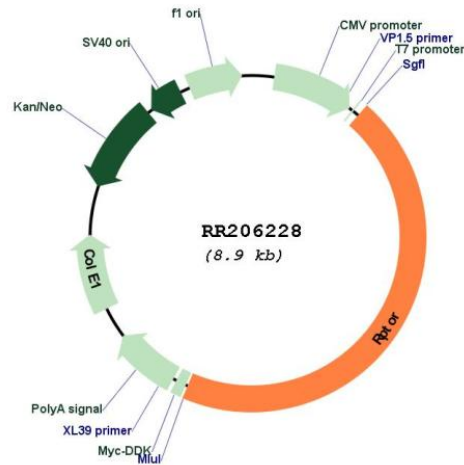
Restriction Sites:
 Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001134499

ORF Size: 4005 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_001134499.2](#), [NP_001127971.2](#)

RefSeq Size: 6699 bp

RefSeq ORF: 4008 bp

Locus ID: 287871

Cytogenetics: 10q32.3

MW: 149.5 kDa