

Product datasheet for **RR214015**

Rsrp1 (NM_001014193) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rsrp1 (NM_001014193) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rsrp1
Synonyms: RGD1359529
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR214015 representing NM_001014193
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCTTCGGCCCGCGTGTCCAAGTATGTGAACGACATGTGGCCCGGCTCTCCGCAGGAGAAAGCCTCGC
CGTCCACCTCGGGCTCGGGCCGCTCCAGCCGCTGTCTTCGCGCTCCCGCAGCCGCTTTCGTCCCGCAG
CTCCAGACCCCACTCCCGCAGCTCCAGCCGCTCGTCTCGCGGAGCCATAGCCGGCCGGGAGGAGCAGA
CGGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGT
CACGCAGCCGATCGCGGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGT
CTACGAGTCCGCGTCCGCTACCGGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGTCCCAGT
TCGTAACGCGATCACTCGAGGGCGGCGCTACTATGGCTTCGGCCGAACCGTGTACCCGGAGGATCGCC
CCAGGTGGCGGAAAGATCCAGGACCAGGTCCGCGCAGCAGGAGCAGAACCCTTTTCGCCTGAGTGAGAA
AGATCGAATGGAGCTGCTAGAAATAGCAAAAGCCAACGCAGCAAAAGCTCTAGGAACAGCCAACCTTTGAC
CTGCCAGCAAGTCTCCGTGCCAAGGAAGCAAGCCAGGGAGCTGTTTCTGCAGTGGGCCAAAGACGGAGC
ATTCAGAAAAGCAGACTGAAGTGGAACTAAAAATGCCAGTGAGAAATCTGCTGCTGCACAGAGAAAACAT
AGCGTTCAGCTCTAATAATTCTGTAGCAAAGCCTCTAGAGAAAACAACGAAAGCTGCTGTTGAAGAGACG
TCATCAGGATCACAAAAATAGATAAGAAAAAAGTCCTTATGGACTGTGGATACCTGTCT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >RR214015 representing NM_001014193
Red=Cloning site Green=Tags(s)

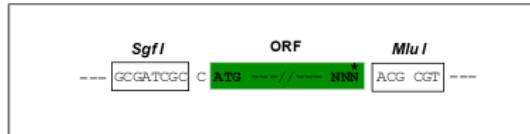
MSSAAVSKYVNDMWPQSPQEKASPSTSGSGRSSRLSSRSRSRSSSRPHSRSSSRSSSRSHSRPRRSR
 RSRSRSRRRRHQRKYRRYSRSYSRSRSRGRHRYRDSRYEQPRRYQSPSPYRSRSRSRGRSHHRR
 SYAITRGRYYGFGRTVYPEDRPRWRERSRTRSRSRTPFRLSEKDRMELLEIAKANAAKALGTANFD
 LPASLRAKEASQGAVSCSGPKTEHSEKQTEVGTKNASEKSAQAQRNIAFSSNNSVAKPLETTKAAVEET
 SSGSPKIDKKKSPYGLWIPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001014193

ORF Size: 900 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_001014193.2](#), [NP_001014215.2](#)

RefSeq Size: 1515 bp

RefSeq ORF: 903 bp

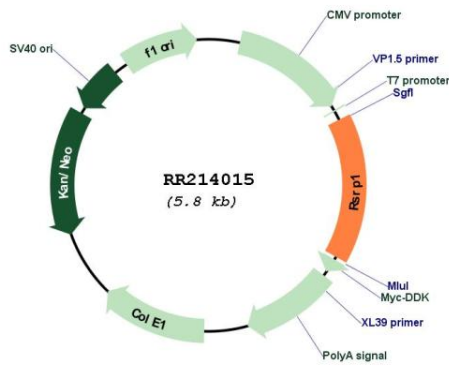
Locus ID: 362626

UniProt ID: [Q5U2S0](#)

Cytogenetics: 5q36

MW: 34.5 kDa

Product images:



Circular map for RR214015