

Product datasheet for **RR209536**

Rcsd1 (NM_001108349) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rcsd1 (NM_001108349) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rcsd1
Synonyms:	RGD1304715
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209536 representing NM_001108349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGAGGAAAGACCCCTCGGAGACCAACTCCAATGTTGACAGCTCAGCGCAGCCTTCAGTGGCCCAGCTGG
CTGGGCGGTTTCGGGAGCAGGCAGCTGTGGCCAGGGAGAAATCACCATCCAGCACCAGCCACCCACCTAA
AATCAAGGTGAAGAGCTCACCTCTGATTGAGAAGCTCCAGGCCAATTTAGCCTTTGATCCGGCAGCTCTT
CTGCCTGGGCTTCACCCAAAAGTCCCGGACTCAAGGCCATGGTGTGCCATTTACAGTCCCCCTTCCA
CACCCAGTAGCCCTGGCATCCGATCCCACCCAGGTGAGGCAGAAGAGGTGCCTGTGAGCTTTGACCAGCC
TCCGGAAGGTACTCACCTGCCCTTTACAATAAGGTAAGGACTAGAGGCTCAATAAAAAGACGTCCTCCC
TCGAGGCGATTCCGAAGGTCTCAGTCGGACTGTGGGGACCTCAGAGATTACAGAGCTGTGGAACCATCTC
AGGAAAACGGTGCCAGGGAAGAAAATGGGGATGACGTGTTTCTAGCAAGAGCAAGGACCCCGGGTCCCC
CCAACCCAACAGGAAGCCGGGGCAGATAGGGTAGAAGGAACCTGAGGTCTACAGAAAAGCCACGGAGG
AGGAACACGTGCAGCAGCACAGAGAAGCCAGAGGAGCTGGTCGGGACCTAGAGGAGGCGAATGCCGGAG
CGAAGGCTGGACAGACTCCAGACACAGCCAGTCAGGGTCATCCAGAGGTTGAGGACCATCACAAACCTG
CAGCCCAGAGACTGAGAATGGGTGTGGAAGCCCACGGGAAGAGACAGCCCTGGAGAGCACACAGACACT
GGGAAGGCCACAGAAGGGACAGCCTCTGAGGAAAGGGTAACAGAGGAAGAGGATGGGCTTGACAGAAAA
GCCCAGATGCAAATATACCCGAGGACGAAGTGGTCAGGGGGAAGGTCCCCAAACTTCTTCTGGAGAAGC
GGAAGGTACCACTGTCCAGAGCCGGAAGCAAAGCAAAGGAGGAGGCGCCTCTGGAGCCAAGCGGCAGC
CCAGGGGCCGACCATTCGGCAGGAGAGGCCAGCAATGAGATCCAGAGTGAGAATGCAGTCTCCACGGAAG
ACATCCCCGTGGAGGATACCCGAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209536 representing NM_001108349

Red=Cloning site Green=Tags(s)

MEERPSETNSNVSSAQPSVAQLAGRFREQAAVAREKSPSSTSHPPKIKVKSSPLIEKLQANLAFDPAAL
LPGASPKSPGLKAMVSPFHSPSTPSSPGIRSHPGEAEEVPVSFDQPPEGTHLPSYNKVRTRGSIKRRPP
SRRFRRSQSDCGDLRDYRAVEPSQENGAREENGDDVFP5KSKDPGSPQPNQEGAGADRVETGLRSTEKPRR
RNTCSSTEKPEELVGTLEEANAGAKAGTPDPTASQGHPEVQEPSQTCSPETENGCGSPREETAPGEHTDT
GKATEGTASEERVTEEDGLGQKSPDANIPEDVEVRGKVPQTS5SGEAEGTTVPEPEAKQKEEAPLEPSGS
PGADHSAGEANSNIEOSENVAOSTIDIPVEDTRM

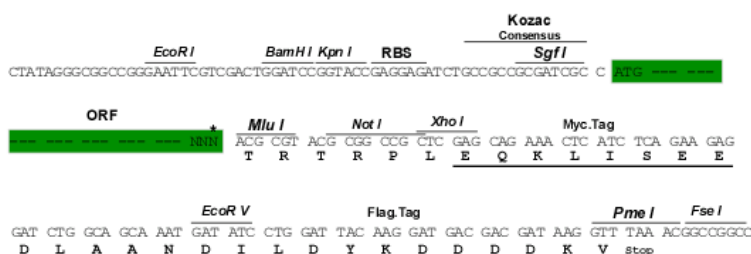
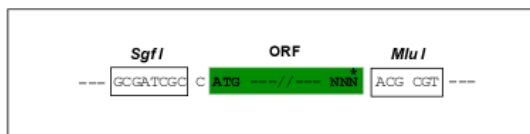
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001108349

ORF Size: 1146 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_001108349.1, NP_001101819.1

RefSeq Size: 2598 bp

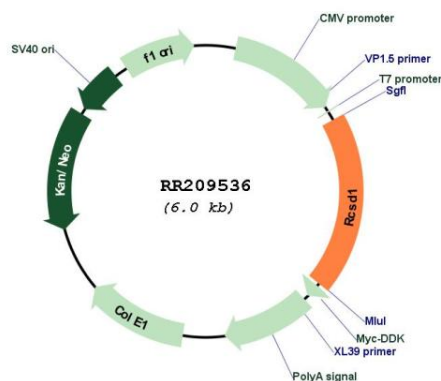
RefSeq ORF: 1149 bp

Locus ID: 360872

Cytogenetics: 13q23

MW: 40.6 kDa

Product images:



Circular map for RR209536