

## Product datasheet for **RR214739**

### Sucnr1 (NM\_001001518) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sucnr1 (NM_001001518) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sucnr1
Synonyms:	Gpr91
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214739 representing NM_001001518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACAGAATTTATCTTGTGAAAATTGGCTGGCATTAGAGAATATTTTGAAAAAGTACTACCTCTCTG  
CATTTTATGGGATCGAGTTCATTGTTGGAATGCTTGGCAATTTACCGTGGTGTTCGGCTACCTCTTCTG  
CATGAAGAACTGGAACAGTAGCAACGTCTATCTTTCAACCTTTCCATCTCTGACCTTGCTTTCCTGTGC  
ACGCTTCCCATGCTGATAAGGAGTTACGCCACTGGAACTGGACCTATGGAGATGTTCTCTGCATAAGCA  
ACCGTTATGTGCTTCATGCCAACCTCTACACCAGCATCCTTTTCTCCTCCTTTTATTAGCATAGACCGATA  
TCTGCTCATGAAGTTCCTTTCCGAGAACACATTTACAAAAGAAGGAATTTGCCATTTAATCTCCCTG  
GCTGTCTGGGTCTTAGTGACCTTAGAAGTTCTACCTATGCTCACGTTTATCACTTCCACCCCAATAGAAA  
AGGGCGACAGCTGTGCGACTATGCAAGTTCTGGAAACCCTAAATACAGTCTCATTTACAGCCTGTGCCCT  
GACTTTGCTGGGCTTCTCATTCTCTGTCTGTAATGTGCTTCTTCTACTACAAAATGGTAGTCTTCTTA  
AAGAAGAGGAGCCAGCAGCAGGCAACTGTGCTATCGCTGAACAAACCTCTGCGCCTGGTGGTCTGGCAG  
TGGTGATCTTCTGTACTCTTTACACCTTACCATATCATGCGCAATGTGAGGATTGCCTCACGCTTGA  
TAGCTGGCCACAGGGATGTTCCAGAAAGCCATCAAATGCTTATACATCTGACCAGACCTCTGGCCTTT  
CTGAACAGTGTGCAACCCCATCTTCTACTTCTTGTGGGAGACCATTTAGAGACATGCTGTTTAGTA  
AGTTGAGACAATACTTCAAGTCCCTTACGTCCTTCAGGCTCAGTTGAGACAATACTTCAAGTCCCTTACG  
TCCTTCAGGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214739 representing NM\_001001518  
 Red=Cloning site Green=Tags(s)

MAQNLSCENWLALLENILKYYLSAFYGIEFIVGMLGNFTVVFYGLFCMKNWNSSNVYLFNLSISDLAFLC  
 TLPMLIRSYATGNWTYGDVLCISNRYVLHANLYTSILFLTFISIDRYLLMKFPFREHILQKKEFAILISL  
 AVWLVLTLEVLPLMTFITSTPIEKGDSCVDYASSGNPKYSLIYSLCLTLGLFLIPLSVMCFYYKMVVFL  
 KKRSQQQATVLSLNKPLRLVVLAVVIFSVLFTPHYHIMRNVRIASRLDSWPQGC SQKAIKCLYILTRPLAF  
 LNSAVNPIFYFLVGDHFRDMLFSKLRQYFKSLTSFRLS\*DNTSSPLRPSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1552\\_b04.zip](https://cdn.origene.com/chromatograms/ja1552_b04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001001518

**ORF Size:** 951 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 Size:** 954 bp

**RefSeq ORF:** 954 bp

**Locus ID:** 408199

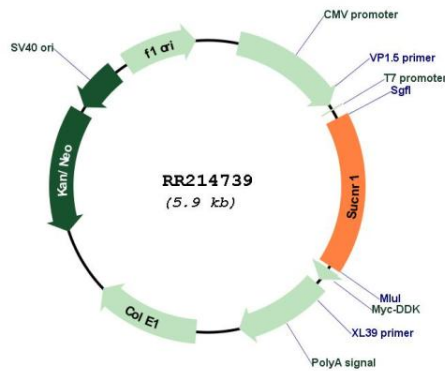
**UniProt ID:** [Q6IYF9](#)

**Cytogenetics:** 2q31

**MW:** 36.7 kDa

**Gene Summary:** Receptor for succinate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RR214739