

## Product datasheet for **MG204545**

### Sucnr1 (NM\_032400) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sucnr1 (NM_032400) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sucnr1
Synonyms:	Gpr91
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204545 representing NM_032400 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACAGAATTTATCTTGTGAGAATTGGTTGGCAACAGAGGCTATCTTGAATAAGTACTACCTCTCTG  
CATTTTATGCAATCGAGTTCATTTTGGACTGCTTGGGAATGTCACTGTGGTGTTCGGCTACCTCTTCTG  
CATGAAGAACTGGAACAGCAGCAATGTCTATCTTTTAACTTTCCATCTCTGACTTTGCTTTCCTGTGC  
ACCCTTCCATCCTGATAAAGAGTTATGCCAATGATAAGGGGACCTATGGAGATGTTCTCTGTATAAGCA  
ACCGATATGTGCTTACACCAACCTCTACACCAGCATCCTTCTCCTCACTTTCATTAGCATGGACCGATA  
TCTGCTCATGAAGTACCCTTTCGAGAACAATTTCTACAAAAGAAGGAATTTGCCATTTAATCTCGCTG  
GCTGTCTGGGCCTTAGTGACCTTAGAAGTCTACCCATGCTCACTTTCATCAATTCGTCCCAAAAAGAA  
AGGGCAGTAACTGCATCGACTATGCAAGTCTGGAAACCTGAACACAATCTCATTTACAGCCTCTGCCT  
GACTTTGTTGGGCTTCTAATTCCTCTCTCTGTGATGTGCTTCTTCTACTACAAGATGGTAGTCTTCTTA  
AAGAGGAGGAGCCAGCAGCAAGCAACTGCCCTGCCACTGGACAAACCCCAACGCCTGGTGGTCTGGCGG  
TTGTGATCTTCTATACTCTTACACCCTATCATATCATGCGCAATTTGAGGATCGCCTCACGCCTGGA  
TAGTTGGCCACAAGGATGTACACAGAAGGCCATCAAATCTATATACACTGACACGGCCTCTGGCCTTT  
CTGAACAGTGCCATCAATCCCATCTTCTACTTCTCATGGAGACCATTACAGAGAGATGCTGATTAGTA  
AGTTCAGACAATACTTCAAGTCCCTTACATCCTTCAGGACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204545 representing NM\_032400  
Red=Cloning site Green=Tags(s)

MAQNLSCENWLATEAILNKYYLSAFYAIEFIFGLLGNTVVFGYLFCKMKNWSSNVYLFNLSISDFALC  
 TLPILIKSYANDKGTYGDLVCISNRYVLHTNLYTSILFLTFISMDRYLLMKYPPREHFLQKKEFAILISL  
 AVWALVTLEVLPLMTFINSVPKEEGSNCIDYASSGNPEHNLIIYSLCLTLLGFLIPLSVMCFYYKMVVFL  
 KRRSQQQATALPLDKPQRLVVLAVVIFILFPTYHIMRNLRIASRLDSWPQGTQKAIKSIYTLTRPLAF  
 LNSAINPIFYFLMGDHYREMLISKFRQYFKSLTSFRT

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2287\\_b08.zip](https://cdn.origene.com/chromatograms/ja2287_b08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_032400

**ORF Size:** 951 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_032400.1](#), [NP\\_115776.1](#)

**RefSeq Size:** 1571 bp

**RefSeq ORF:** 954 bp

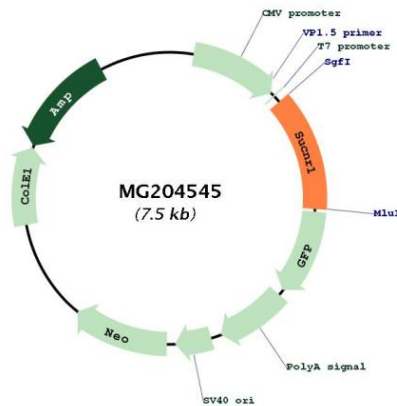
**Locus ID:** 84112

**UniProt ID:** [Q99MT6](#)

**Cytogenetics:** 3 D

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

**Product images:**



Circular map for MG204545