

Product datasheet for **RG205888**

GPR91 (SUCNR1) (NM_033050) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR91 (SUCNR1) (NM_033050) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR91
Synonyms:	GPR91
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205888 representing NM_033050 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTGGGATCATGGCATGGAATGCAACTTGCAAAAACCTGGCTGGCAGCAGAGGCTGCCCTGGAAAAGT
ACTACCTTTCCATTTTTATGGGATTGAGTTCGTTGTGGGAGTCCTTGGAAATACCATTGTTGTTTACGG
CTACATCTTCTCTGAAGAAGTGAACAGCAGTAATATTTATCTCTTAACTCTCTGTCTCTGACTTA
GCTTTTCTGTGCACCCTCCCATGCTGATAAGGAGTTATGCCAATGGAACTGGATATATGGAGACGTGC
TCTGCATAAGCAACCGATATGTGCTTCATGCCAACCTCTATACCAGCATTCTCTTCTCACTTTTATCAG
CATAGATCGATACTTGATAAATTAAGTATCCTTCCGAGAACACCTTCTGCAAAAGAAAGAGTTTGCTATT
TTAATCTCCTTGCCATTTGGGTTTTAGTAACCTTAGAGTTACTACCCATACTTCCCTTATAAACTCTG
TTAATACTGACAAATGGCACCACCTGTAATGATTTTGCAAGTTCTGGAGACCCCACTACAACCTCATTTA
CAGCATGTGTCTAACACTGTTGGGGTTCCTTATTCCTCTTTTTGTGATGTGTTTCTTTTATTACAAGATT
GCTCTCTTCTAAAGCAGAGGAATAGGCAGGTTGCTACTGCTCTGCCCTTGGAAAGCCTCTCAACTGG
TCATCATGGCAGTGGTAATCTTCTGTGCTTTTTACACCCTATCACGTCATGCGGAATGTGAGGATCGC
TTCACGCCTGGGAGTTGGAAGCAGTATCAGTGCACCTCAGGTCGTCATCAACTCCTTTTACATTGTGACA
CGGCCCTTGGCCTTTCTGAACAGTGTCAACCCCTGTCTCTATTTTCTTTTGGGAGATCACTTCAGGG
ACATGCTGATGAATCAACTGAGACACAACCTCAAATCCCTTACATCCTTTAGCAGATGGGCTCATGAACT
CCTACTTTCATTAGAGAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205888 representing NM_033050
 Red=Cloning site Green=Tags(s)

MLGIMAWNATCKNWLAAEALEKYYLSIFYGIEFVVGVLGNTIVVYGYIFSLKNWNSSNIYLFNLSVSDL
 AFLCTLPLIRSYANGNWIYGDVLCISNRYVLHANLYTSILFLTFISIDRYLIIKYPFRELHLLQKKEFAI
 LISLAIWVLVTLLELLPILPLINPVITDNGTTCNDFASSGDPNYNLIYSMCLTLLGFLIPLFVMCFYYKI
 ALFLKQRNRQVATALPLEKPLNLVIMAVVIFSVLFTPYHVMRNVRIASRLGSKQYQCTQVVINSFYIVT
 RPLAFLNSVINPVFYFLLGDHFRDMLMNQLRHNFKSLTSFSRWAHELLLSFREK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033050

ORF Size: 1002 bp

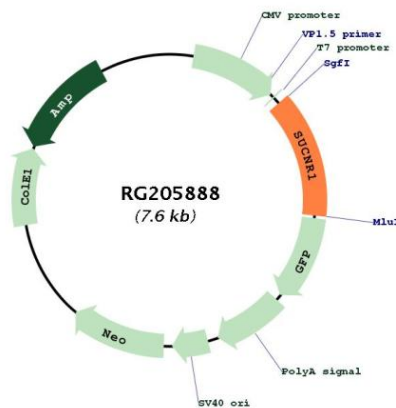
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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_033050.6
RefSeq Size:	1449 bp
RefSeq ORF:	1005 bp
Locus ID:	56670
UniProt ID:	Q9BXA5
Cytogenetics:	3q25.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene encodes a G-protein-coupled receptor for succinate, an intermediate molecule of the citric acid cycle. It is involved in the promotion of hematopoietic progenitor cell development, and it has a potential role in renovascular hypertension which has known correlations to renal failure, diabetes and atherosclerosis. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG205888