

Product datasheet for **RR201138**

Oxgr1 (NM_207588) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oxgr1 (NM_207588) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Oxgr1
Synonyms: Gpr80; P2Y15
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201138 representing NM_207588
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTGAGACTGGACAGCCAGCCAATGATTCTGATTTCTGGATTACATAACTGCTTTGGAAACT
GCACTGATGAGCAAATCTCATTCAAGATGCAGTACCTTCCGTCATCTACAGCATCATCTTCTCGTGGG
CTTCCCGGAAATACGGTGGCGATTTCCATCTACGTTTTCAAGATGCGACCTTGAAGAGCAGTACCATC
ATCATGCTGAACCTGGCCTTGACGGACTTGCTGTATCTGACCAGCCTCCCTTTCCTCATCCATTATTACG
CGAGCGGTGAAAACCTGGATCTTCGGGGATTTTCATGTGCAAGTTTCCGATTTGGCTTCCATTTCAACCT
TTACAGCAGCATCCTCTTCTCACCTGCTTTAGCCTCTTCCGTTACATTGTGATCATTACCCGATGAGC
TGTTTTTCTATTCAGAAGACTCGATGGGCGGTGGTGGCTTGCTGGGGTGTGGGTCACTTCTTTGGTAG
CTGTGATGCCATGACTTTCCTGATCACATCAACCACCCGGACCAATAGGTCTGCTTGCCTTGACCTCAC
CAGCTCAGATGACCTCACTACTCAAATGGTACAATCTCATTTTGACGGCTACCACTTCTGCCTGCC
TTGCTGATAGTGACACTCTGCTACACGACGATTATCAGCACCTGACTCACGGACCTCGGACCCACAGCT
GCTTTAAGCAGAAGGCTCGGAGGCTGACGATCCTGCTCCTTGTGTTCTATGTATGCTTTTTACCTT
CCACATCCTTAGGTCATTTCGGATCGAATCTCGCCTGCTTTCAATCAGCTGCTCCATCGAGAGTCACATC
CACGAAGCTTACATTGTCTCTAGGCCATTAGCTGCCCTCAACACCTTTGGCAACCTGCTGTTATATGTCG
TCGTCAGCAATAACTTCCAGCAGGCATTCTGCTCCGAGTGAGATGTAAGCCATCGGGGACCTTGAACA
AGCAAAGAAAGACAGTTGCTCAAACAACCC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201138 representing NM_207588
Red=Cloning site Green=Tags(s)

MIETLDSFANDSDFLDYITALENCTDEQISFKMQYLPVIYSIIIFLVGFPNGNTVAISIYVFKMRPWKSSSTI
 IMLNLALTDLLYLTSPLFLIHYASGENWIFGDFMCKFIRFGFHFNLVSSILFLTCFSLFRYIVIIHPMS
 CFSIQKTRWAVVACAGVWVIVSLVAVMPMTFLITSTTRTNRSACLDLTSSDDLTTIKWYNLILTATTFCLP
 LLIVTLCYTTIIISTLTHGPRTHSCFKQKARRLTILLLLVFYVCFLPFHILRVIRIESRLLSISCSIESHI
 HEAYIVSRPLAALNTFGNLLLYVVVSNFQQAFCSAVRCKAIGDLEQAKKDSCSNNP

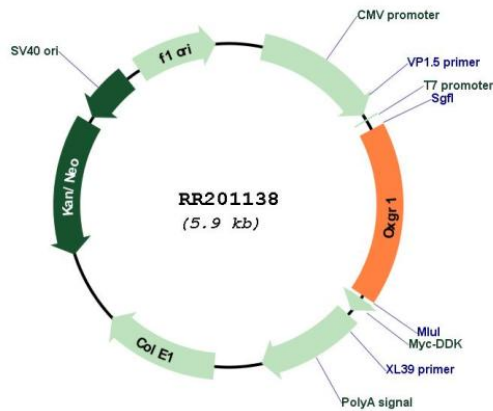
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_207588

ORF Size: 1011 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_207588.1 , NP_997471.1
RefSeq Size:	1014 bp
RefSeq ORF:	1014 bp
Locus ID:	290493
UniProt ID:	Q6Y1R5
Cytogenetics:	15q24
MW:	38.4 kDa
Gene Summary:	human homolog binds adenosine and AMP; induces Ca ²⁺ mobilization and cyclic AMP production [RGD, Feb 2006]