

Product datasheet for **RC221717**

OXGR1 (NM_080818) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OXGR1 (NM_080818) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OXGR1
Synonyms:	aKGR; GPR80; GPR99; P2RY15; P2Y15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221717 representing NM_080818 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGAGCCACTAGACTATTTAGCAAATGCTTCTGATTTCCCGATTATGCAGCTGCTTTTGAAATT
GCACTGATGAAAACATCCCCTCAAGATGCACTACCTCCCTGTTATTTATGGCATTATCTTCTCGTGGG
ATTTCCAGGCAATGCAGTAGTGATCCACTTACATTTTCAAATGAGACCTTGAAGAGCAGCACCATC
ATTATGCTGAACCTGGCCTGCACAGATCTGCTGTATCTGACCAGCCTCCCCTTCTGATTCACTACTATG
CCAGTGGCGAAAACCTGGATCTTTGGAGATTTTCATGTGTAAGTTTATCCGCTTCAGCTTCCATTTCAACCT
GTATAGCAGCATCCTTCTCCTCACTGTTTCAGCATCTTCGCTACTGTGTGATCATTACCCAATGAGC
TGCTTTTCCATTCAAAAACCTCGATGTGCAAGTTGTAGCCTGTGCTGTGGTGTGGATCATTCACTGGTAG
CTGTCAATCCGATGACCTTCTTGATCACATCAACCAACAGGACCAACAGATCAGCCTGTCTCGACCTCAC
CAGTTCGGATGAACTCAATACTATTAAGTGGTACAACCTAATTTTGACTGCAACTACTTTCTGCCTCCCC
TTGGTGATAGTGACACTTTGCTATACCACGATTATCCACTCTGACCCATGGACTGAAAACCTGACAGCT
GCCTTAAGCAGAAAGCACGAAGGCTAACCTTCTGCTACTCCTTGCAATTTACGTATGTTTTTACCCTT
CCATATCTTGAGGGTCATTCGGATCGAATCTCGCTGCTTCAATCAGTTGTTCCATTGAGAATCAGATC
CATGAAGCTTACATCGTTTCTAGACCATTAGCTGCTCTGAACACCTTTGGTAACCTGTTACTATATGTGG
TGGTCAGCGACAACCTTTCAGCAGGCTGTCTGCTCAACAGTGAGATGCAAAGTAAGCGGGAACCTTGAGCA
AGCAAAGAAAATTAGTTACTCAAACAACCTT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_080818.4](#)

RefSeq Size: 2285 bp

RefSeq ORF: 1014 bp

Locus ID: 27199

UniProt ID: [Q96P68](#)

Cytogenetics: 13q32.1

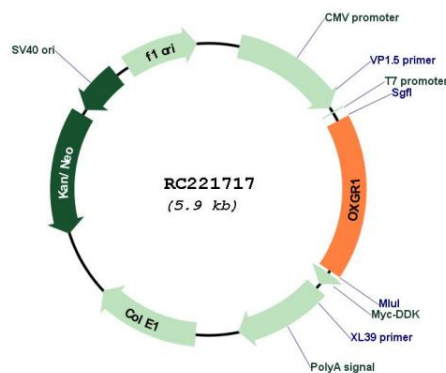
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

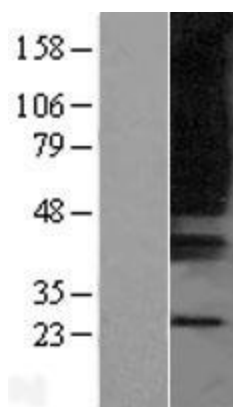
MW: 38.1 kDa

Gene Summary: This gene encodes a G protein-coupled receptor (GPCR) that belongs to the oxoglutarate receptor family within the GPCR superfamily. The encoded protein is activated by the citric acid intermediate, oxoglutarate, as well as several cysteinyl leukotrienes, including leukotrienes E4, C4 and D4, which are implicated in many inflammatory disorders. In mice, a knock-out of this gene leads to middle ear inflammation, changes in the mucosal epithelium, and an increase in fluid behind the eardrum, and is associated with hearing loss. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC221717



Western blot validation of overexpression lysate (Cat# [LY403318]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221717 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).