

## Product datasheet for **RC221717L3V**

### **OXGR1 (NM\_080818) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	OXGR1 (NM_080818) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OXGR1
Synonyms:	aKGR; GPR80; GPR99; P2RY15; P2Y15
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_080818
ORF Size:	1011 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221717).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_080818.3</a>
RefSeq Size:	2285 bp
RefSeq ORF:	1014 bp
Locus ID:	27199
UniProt ID:	<a href="#">Q96P68</a>
Cytogenetics:	13q32.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane



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**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]