OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC211797L2V

Oxytocin Receptor (OXTR) (NM_000916) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Oxytocin Receptor (OXTR) (NM_000916) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OXTR
Synonyms:	OT-R; OTR
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000916
ORF Size:	1176 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211797).
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.
RefSeq:	NM_000916.3, NP_000907.2
RefSeq Size:	4361 bp
RefSeq ORF:	1170 bp
Locus ID:	5021
UniProt ID:	P30559
Cytogenetics:	3p25.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane

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Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 42.6 kDa

Gene Summary: The protein encoded by this gene belongs to the G-protein coupled receptor family and acts as a receptor for oxytocin. Its activity is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. The oxytocin-oxytocin receptor system plays an important role in the uterus during parturition. [provided by RefSeq, Jul 2008]