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Product datasheet for MR205642L3V

Oprl1 (NM_011012) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Oprl1 (NM_011012) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Oprl1
Synonyms:	KOR-3; KOR3; LC13; LC132; mo; MOR; MOR-C; morc; NOP; O; Oprl; ORGC; ORL1; XO; XOR1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011012
ORF Size:	1104 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205642).
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_011012.2, NP_035142.1
RefSeq Size:	2999 bp
RefSeq ORF:	1104 bp
Locus ID:	18389
UniProt ID:	P35377
Cytogenetics:	2 103.74 cM

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Gene Summary: The protein encoded by this gene is a member of the 7 transmembrane-spanning G protein-coupled receptor family, and functions as a receptor for the endogenous, opioid-related neuropeptide, nociceptin/orphanin FQ. This receptor-ligand system modulates a variety of biological functions and neurobehavior, including stress responses and anxiety behavior, learning and memory, locomotor activity, and inflammatory and immune responses. Alternatively spliced transcript variants have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2017]