Product datasheet for RC210381L1V

Orexin Receptor 1 (HCRTR1) (NM_001525) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Orexin Receptor 1 (HCRTR1) (NM_001525) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HCRTR1
Synonyms:	ORXR1; OX1R; OXR1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001525
ORF Size:	1275 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210381).
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_001525.1
RefSeq Size:	2001 bp
RefSeq ORF:	1278 bp
Locus ID:	3061
UniProt ID:	O43613
Cytogenetics:	1p35.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

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MW: 47.5 kDa

Gene Summary: The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq, Jan 2009]