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Product datasheet for RC201206L1V

Sigma1 receptor (SIGMAR1) (NM_005866) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sigma1 receptor (SIGMAR1) (NM_005866) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Sigma1 receptor
Synonyms:	ALS16; DSMA2; hSigmaR1; OPRS1; SIG-1R; sigma1R; SR-BP; SR-BP1; SRBP
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005866
ORF Size:	669 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC201206).`
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_005866.2
RefSeq Size:	1728 bp
RefSeq ORF:	672 bp
Locus ID:	10280
UniProt ID:	Q99720
Cytogenetics:	9p13.3
Domains:	ERG2_Sigma1R
Protein Families:	Druggable Genome, GPCR, Transmembrane

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MW: 25.1 kDa

Gene Summary: This gene encodes a receptor protein that interacts with a variety of psychotomimetic drugs, including cocaine and amphetamines. The receptor is believed to play an important role in the cellular functions of various tissues associated with the endocrine, immune, and nervous systems. As indicated by its previous name, opioid receptor sigma 1 (OPRS1), the product of this gene was erroneously thought to function as an opioid receptor; it is now thought to be a non-opioid receptor. Mutations in this gene has been associated with juvenile amyotrophic lateral sclerosis 16. Alternative splicing of this gene results in transcript variants encoding distinct isoforms. [provided by RefSeq, Aug 2013]