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 MR206050L4V

Drd4 (NM_007878) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Drd4 (NM_007878) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Drd4
Synonyms:	AW125663; D4R; Drd-4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007878
ORF Size:	1164 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR206050).`
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_007878.2
RefSeq Size:	1366 bp
RefSeq ORF:	1164 bp
Locus ID:	13491
UniProt ID:	P51436
Cytogenetics:	7 86.6 cM

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Gene Summary: Dopamine receptor responsible for neuronal signaling in the mesolimbic system of the brain, an area of the brain that regulates emotion and complex behavior. Activated by dopamine, but also by epinephrine and norepinephrine, and by numerous synthetic agonists and drugs. Agonist binding triggers signaling via G proteins that inhibit adenylyl cyclase (By similarity). Modulates the circadian rhythm of contrast sensitivity by regulating the rhythmic expression of NPAS2 in the retinal ganglion cells (PubMed:24048828).[UniProtKB/Swiss-Prot Function]