Product datasheet for MR209720L3V

Pja2 (NM_144859) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pja2 (NM_144859) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pja2
Synonyms:	AI447901; AL022700; mKIAA0438; Neurodap1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_144859
ORF Size:	1935 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209720).
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_144859.2, NP_659108.1
RefSeq Size:	4520 bp
RefSeq ORF:	1938 bp
Locus ID:	224938
UniProt ID:	Q80U04
Cytogenetics:	17 E1.1

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Gene Summary: Has E2-dependent E3 ubiquitin-protein ligase activity. Responsible for ubiquitination of cAMP-dependent protein kinase type I and type II-alpha/beta regulatory subunits and for targeting them for proteasomal degradation. Essential for PKA-mediated long-term memory processes. Through the ubiquitination of MFHAS1, positively regulates the TLR2 signaling pathway that leads to the activation of the downstream p38 and JNK MAP kinases and promotes the polarization of macrophages toward the pro-inflammatory M1 phenotype. [UniProtKB/Swiss-Prot Function]