Product datasheet for RC205204L4V

PJA2 (NM_014819) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PJA2 (NM_014819) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PJA2
Synonyms:	Neurodap1; RNF131
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014819
ORF Size:	2124 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205204).
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_014819.2
RefSeq Size:	4878 bp
RefSeq ORF:	2127 bp
Locus ID:	9867
UniProt ID:	O43164
Cytogenetics:	5q21.3
Domains:	RING
Protein Families:	Druggable Genome

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MW: 78.2 kDa

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 (PubMed:28471450).[UniProtKB/Swiss-Prot Function]