

Product datasheet for **RC223531L4V**

JIP3 (MAPK8IP3) (NM_015133) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	JIP3 (MAPK8IP3) (NM_015133) Human Tagged ORF Clone Lentiviral Particle
Symbol:	JIP3
Synonyms:	JIP-3; JIP3; JSAP1; NEDBA; syd; SYD2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015133
ORF Size:	4008 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223531).
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_015133.3
RefSeq Size:	5653 bp
RefSeq ORF:	4011 bp
Locus ID:	23162
UniProt ID:	Q9UPT6
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	MAPK signaling pathway



[View online »](#)

MW: 147.5 kDa

Gene Summary: The protein encoded by this gene shares similarity with the product of *Drosophila* *syd* gene, required for the functional interaction of kinesin I with axonal cargo. Studies of the similar gene in mouse suggested that this protein may interact with, and regulate the activity of numerous protein kinases of the JNK signaling pathway, and thus function as a scaffold protein in neuronal cells. The *C. elegans* counterpart of this gene is found to regulate synaptic vesicle transport possibly by integrating JNK signaling and kinesin-1 transport. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]