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Product datasheet for RC209734L4V

JIP1 (MAPK8IP1) (NM_005456) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	JIP1 (MAPK8IP1) (NM_005456) Human Tagged ORF Clone Lentiviral Particle
Symbol:	JIP1
Synonyms:	IB1; JIP-1; JIP1; PRKM8IP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005456
ORF Size:	2133 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209734).`
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_005456.2
RefSeq Size:	3234 bp
RefSeq ORF:	2136 bp
Locus ID:	9479
UniProt ID:	Q9UQF2
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
Protein Pathways:	MAPK signaling pathway

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MW: 77.5 kDa

Gene Summary: This gene encodes a regulator of the pancreatic beta-cell function. It is highly similar to JIP-1, a mouse protein known to be a regulator of c-Jun amino-terminal kinase (Mapk8). This protein has been shown to prevent MAPK8 mediated activation of transcription factors, and to decrease IL-1 beta and MAP kinase kinase 1 (MEKK1) induced apoptosis in pancreatic beta cells. This protein also functions as a DNA-binding transactivator of the glucose transporter GLUT2. RE1-silencing transcription factor (REST) is reported to repress the expression of this gene in insulin-secreting beta cells. This gene is found to be mutated in a type 2 diabetes family, and thus is thought to be a susceptibility gene for type 2 diabetes. [provided by RefSeq, May 2011]