

Product datasheet for **SC309763**

JIP3 (MAPK8IP3) (NM_015133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JIP3 (MAPK8IP3) (NM_015133) Human Untagged Clone
Tag:	Tag Free
Symbol:	JIP3
Synonyms:	JIP-3; JIP3; JSAP1; NEDBA; syd; SYD2
Vector:	pCMV6-Entry (PS100001)
Restriction Sites:	Sgfl-MluI
ACCN:	NM_015133
Insert Size:	4011 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015133.2
RefSeq Size:	5671 bp

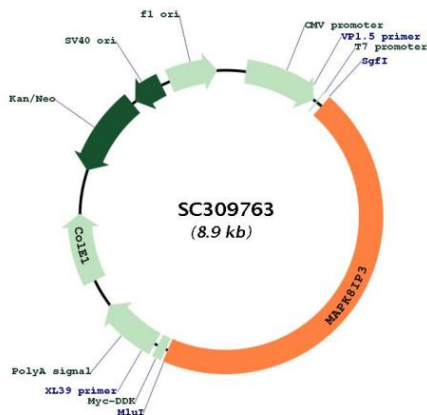


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RefSeq ORF: 4011 bp
Locus ID: 23162
UniProt ID: [Q9UPT6](#)
Cytogenetics: 16p13.3
Protein Families: Druggable Genome
Protein Pathways: MAPK signaling pathway
MW: 147.5 kDa

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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).

Product images:



Circular map for SC309763