

Product datasheet for **SC310710**

JIP3 (MAPK8IP3) (NM_001040439) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JIP3 (MAPK8IP3) (NM_001040439) Human Untagged Clone
Tag:	Tag Free
Symbol:	JIP3
Synonyms:	JIP-3; JIP3; JSAP1; NEDBA; syd; SYD2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001040439, the custom clone sequence may differ by one or more nucleotides

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ATGATGGAGATCCAGATGGACGAGGGCGGCGGCGTGGTGGTGTACCAGGACGACTACTGC
TCCGGCTCGGTGATGTCCGAGCGGGTGTCCGGCCTGGCGGGCTCCATCTACCGGAGTTC
GAGCGCTCATCCACTGCTACGACGAGGAGGTGGTCAAGGAGCTCATGCCGCTGGTGGT
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GAGCTGCAAAATCCAGGTGGAGCACTACGAGTTCAGACGCGCCAGCTGGAGCTGAAGGCC
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TACAATGCCCTGCACCAGCGGCACACAGAGATGATACAGACCTACGTGGAGCACATTGAG
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CCTCCGGCCAAGCGCCCTATCCCTCGGTGAACATCCAAGTCAACCCACCACTGCC
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 GAATTCTTCCCTGACGACGACTGCACGTCTCCGCCCGTGCAGAGCAGAAGCGCGAGCAG
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 GGCGGGGAGGGCTACATCGACTTCCGCATTGGAGACGGAGAGGACGACGAGACGGAGGAG
 GGCGCAGGGGACATGAGCCAGGTGAAGCCCGTGTGTCCAAGGCAGAGCGCAGTCACATC
 ATCGTGTGGCAGGTGTCTACACCCCGAGTGA

Restriction Sites:

Please inquire

ACCN:

NM_001040439

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.
RefSeq:	<u>NM_001040439.1, NP_001035529.1</u>
RefSeq Size:	5635 bp
RefSeq ORF:	3993 bp
Locus ID:	23162
UniProt ID:	<u>Q9UPT6</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>The protein encoded by this gene shares similarity with the product of <i>Drosophila</i> <i>syd</i> 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 <i>C. elegans</i> 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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>