

Product datasheet for **SC325412**

JLP (SPAG9) (NM_001130528) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JLP (SPAG9) (NM_001130528) Human Untagged Clone
Tag:	Tag Free
Symbol:	JLP
Synonyms:	CT89; HLC-6; HLC4; HLC6; JIP-4; JIP4; JLP; PHET; PIG6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325412 representing NM_001130528. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGGAGCTGGAGGACGGTGTGGTGTATCAGGAGGAGCCCGCGGCTCCGGGGCCGTGATGTCGGAGCGG
 GTGTCCGGCTGGCCGGCTCCATCTACCGCGAGTTCGAGCGGCTTATCGGGCGCTATGACGAGGAGGTG
 GTCAAAGAGCTGATGCCGCTGGTGGTGGCTGTGCTGGAGAACCTGGACTCGGTGTTCCGCGCAGGACCAG
 GAGCACCAGGTGGAGCTGGAGCTGCTGCGGGACGACAACGAGCAGCTCATCACCCAGTACGAGCGGGAG
 AAGGCGCTGCGCAAGCACGCTGAGGAGAAATTCATTGAATTTGAAGACTCTCAAGAACAGGAAAAAAG
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 GCTGACCAGATTAGCAGACTTGAAGAAAGAGAAGCAGAACTGAAGAAGGAATATAATGCATTACATCAA
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 AGTGATCAACTAGAAATCCACAGCTCATAGTAGAATTAGAAAAGAACGCCCTATATCATTAGGAATTTTC
 CCATTACCTGCTGGAGATGGATTGCTTACACCTGATGCTCAGAAAGGAGGAGAGACCCCTGGATCTGAG
 CAATGGAAATTTAGGAATTAAGTCAACCACGTTCTCATACCAGCCTGAAGGTCAGCAATAGTCCTGAA
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 CAGGAAACTAGAAATGTATCTACTGGCTCTGCTGAAAATGAAGAAAAGTCAGAAGTTCAAGCAATCATC
 GAATCTACTCCTGAGCTGGATATGGACAAGATCTCAGTGGATATAAAGGTTCAAGCACTCCCACCAAAA
 GGCATAGAGAACAAGCTTTTGATCGCAATACAGAATCTCTTTGAAGAACTGTCTTCAGCTGGCTCA
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 AAAGTGAAGGAAAAGAACAGAGAATTGGAGGAAGAGCTTAGGAAAGCTCGGCAGAAAGCTGAAGATGCA
 AGGCAAAAAGCAAAAGATGACGATGATAGTATTCACAGCCAGAGGAAACGGTTTACTAGAGTA


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GAAATGGCCCGTGTTCATGGAGCGAAACAGTATAAAGAGAGATTGATGGAGCTTCAGGAAGCTGTT
 CGATGGACAGAGATGATTCGGGCATCACGAGAAAATCCAGCCATGCAGGAAAAAAGGTCAAGCATT
 TGGCAGTTTTTCAGCCGACTTTTCAGCTCCTCAAGTAACACGACTAAGAAGCCTGAACCACCTGTTAAT
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 TCAAACATACACCTCTTAGACCTTGGACGGCCTCATCATTCCATCCGTTGCATGACTGTGGTACATGAC
 AAAGTCTGGTGTGGCTATAGGAACAAAATCTATGTGGTGACGCAAGGCCATGAAAAATAGAGAAATCT
 TTTGATGCACATCCCAGGAAGGAGAGCCAAAGTGCACAGCTTGCCTGGTGGGGATGGCGTGTGGGTC
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 CTTATGGTGTCTGTAATCGTTTGTGGTGGGGACAGGAAATGGTGTATTATCTCCATCCCATTTGACA
 GAAACAAATAAACCTCAGGTGTACCAGGAAATCGTCTGGAAGTGAATCCGTGTATATGGTGATGAA
 AACAGTGATAAAGTGACTCCAGGACATTTATACCCTATTGTTCAATGGCACATGCACAGCTTTGCTTC
 CATGGGACCCGGATGCTGTGAAATTCTTGTGGCAGTCCAGGTCAAGTCATCAGCCACAAAAGTAGC
 AGTAGTGGCAGGATCTGACGGGTGACAAAGCAGGGCCATCTGCACAGGAGCCTGGTAGTCAGACGCCC
 TTGAAGTCTATGCTTGTCTCATCAGTGGAGGAGAGGGCTACATCGACTTCCGAATGGGTGATGAAGGTGGA
 GAATCAGAACTTCTTGGAGAGGATCTTCCACTTGAACCTTCTGTACCAAAGCAGAAAGGAGTCACTTG
 ATAGTGTGGCAAGTGATGTATGGCAATGAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001130528

Insert Size: 3966 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:	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_001130528.2</u>
RefSeq Size:	8273 bp
RefSeq ORF:	3966 bp
Locus ID:	9043
UniProt ID:	<u>O60271</u>
Cytogenetics:	17q21.33
MW:	146.2 kDa
Gene Summary:	This gene encodes a member of the cancer testis antigen gene family. The encoded protein functions as a scaffold protein that structurally organizes mitogen-activated protein kinases and mediates c-Jun-terminal kinase signaling. This protein also binds to kinesin-1 and may be involved in microtubule-based membrane transport. This protein may play a role in tumor growth and development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).