

Product datasheet for **SC127587**

JLP (SPAG9) (NM_003971) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JLP (SPAG9) (NM_003971) Human Untagged Clone
Tag:	Tag Free
Symbol:	JLP
Synonyms:	CT89; HLC-6; HLC4; HLC6; JIP-4; JIP4; JLP; PHET; PIG6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127587 sequence for NM_003971 edited (data generated by NextGen Sequencing)

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ATGGAGCTGGAGGACGGTGTGGTGTATCAGGAGGAGCCCGCGGCTCCGGGGCCGTGATG
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Clone variation with respect to NM_003971.5

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003971 unedited
 TTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGTTGGGGTGAGAGCGCC
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 CTCTCAGGAGTATCACTAGAAATCACAGCTCATAGTAGAATTAGAAAAGAACGCCCC
 TATATCATTAGGAATTTCCATTACTGCTTGAATGGATTGCTTACACTTGATGCTCAA
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003971 unedited
 GTCGTTGCCGCAATCTANGTTGAGTTTTTTTTTTTTTTTTTAAATAGTGTAGTCTTTAT
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 CTGTGACTTGCCGGGCTGCCCCAAGAATTTACAGAATCCGGTGCCATGGAGCAAATGTG
 CTGGTCATTGACAA

Restriction Sites:

NotI-NotI

ACCN:

NM_003971

Insert Size:

4700 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).

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: [NM_003971.3](#), [NP_003962.3](#)

RefSeq Size: 4663 bp

RefSeq ORF: 3924 bp

Locus ID: 9043

UniProt ID: [O60271](#)

Cytogenetics: 17q21.33

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 (3) lacks an in-frame coding exon in the coding region, compared to variant 1. The resulting isoform (3) is shorter than isoform 1.