

Product datasheet for **SC309970**

Symplekin (SYMPK) (NM_004819) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Symplekin (SYMPK) (NM_004819) Human Untagged Clone
Tag:	Tag Free
Symbol:	Symplekin
Synonyms:	Pta1; SPK; SYM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004819 edited
 CGGCGGCGGCGGCGGCGGAGTGTAGGAAGAGGCACTGCTGAGGGGCGCGAGGGGAACGG
 AGGCCAGAGCTGCGCTGACAGCAGCCATGGCGAGCGGCAGTGGAGACAGCGTCACCCGTC
 GGAGCGTGGCATCACAGTTTTTCACTCAAGAGGAGGGGCCGGGCATCGATGGCATGACCA
 CCTCAGAGAGGGTGGTGGATCTTCTGAACCAGGCGGCGTGTATACCAATGACTCAAAGA
 TCACAGTGTCAAACAGGTCCAGGAGCTGATCATCAACAAAGACCCCACTACTGGACA
 ACTTCCTGGATGAGATCATCGCATTCCAAGCAGACAAGTCAATCGAAGTGCGAAAATTTG
 TCATCGGCTTCATCGAGGAGGCATGCAAGCGAGACATTGAGTTGCTGCTGAAACTCATTG
 CAAACCTCAACATGCTCTTGAGGGACGAGAATGTGAACGTGGTGAAGAAGGCTATCCTCA
 CCATGACCCAGCTCTACAAGGTGGCCCTGCAGTGGATGGTAAAGTCACGGGTATTAGCG
 AGCTACAGGAGGCTGCTGGGACATGGTATCTGCCATGGCGGGGACATCATCCTGCTAT
 TGGACTCTGACAATGACGGCATCCGCACCCACGCCATCAAGTTTGTGGAGGCCTATTG
 TCACCCTGTACCCCGCATGGCTGACTCAGAGATACCCCGACGCCAGGAGCATGATATCA
 GCCTGGACCGCATCCCTCGTGACCACCCCTACATCCAGTACAACGTGCTATGGGAAGAGG
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 ACCTGACCACAGCGCTGGGCTCCCTTGCCAATATCGCCCGCCAGAGCCCATGTTTATGT
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 TCATGGCCACACAGATGACAGCTGCCGGACTGGGACCAGGTGTAGAGCAGACCAAACAGT
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GGCAAGTTA
    
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Restriction Sites:

NotI-NotI

ACCN:

NM_004819

Insert Size:

4100 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:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_004819.1.
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_004819.1, NP_004810.1</u>
RefSeq Size:	3984 bp
RefSeq ORF:	3429 bp
Locus ID:	8189
UniProt ID:	<u>Q92797</u>
Cytogenetics:	19q13.32
Protein Pathways:	Tight junction
Gene Summary:	This gene encodes a nuclear protein that functions in the regulation of polyadenylation and promotes gene expression. The protein forms a high-molecular weight complex with components of the polyadenylation machinery. It is thought to serve as a scaffold for recruiting regulatory factors to the polyadenylation complex. It also participates in 3'-end maturation of histone mRNAs, which do not undergo polyadenylation. The protein also localizes to the cytoplasmic plaques of tight junctions in some cell types. [provided by RefSeq, Jul 2008]