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Product datasheet for SC318582

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318582 representing NM_004819. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGAGCGGCAGTGGAGACAGCGTCACCCGTCGGAGCGTGGCATCACAGTTTTTCACTCAAGAGGAG
GGGCCGGGCATCGATGGCATGACCACCTCAGAGAGGGTGGTGGATCTTCTGAACCAGGCGGCGCTGATC
ACCAATGACTCAAAGATCACAGTGCTCAAACAGGTCCAGGAGCTGATCATCAACAAAGACCCCACACTA
CTGGACAACTTCCTGGATGAGATCATCGCATTCCAAGCAGACAAGTCAATCGAAGTGCGAAAATTTGTC
ATCGGCTTCATCGAGGAGGCATGCAAGCGAGACATTGAGTTGCTGCTGAAACTCATTGCAAACCTCAAC
ATGCTCTTGAGGGACGAGAATGTGAACGTGGTGAAGAAGGCTATCCTCACCATGACCCAGCTCTACAAG
GTGGCCCTGCAGTGGATGGTAAAGTCACGGGTCATTAGCGAGCTACAGGAGGCCTGCTGGGACATGGTA
TCTGCCATGGCGGGGGACATCATCCTGCTATTGGACTCTGACAATGACGGCATCCGCACCCACGCCATC
AAGTTTGTGGAGGGCCTCATTGTCACCCTGTCACCCCGCATGGCTGACTCAGAGATACCCCGACGCCAG
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GAGGGCAAGGCAGCCTTGGAGCAGCTGCTTAAGTTCATGGTGCACCCTGCCATCTCCTCCATCAACCTG
ACCACAGCGCTGGGCTCCCTTGCCAATATCGCCCGCCAGAGACCCATGTTCATGTCTGAGGTGATCCAG
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AATCTGAAGCTGCACCTGTTGAGTGTGCTGAAGCACCCGGCTTCCTTGGAGTTCCAGGCCCAGATCACC
ACCCTGCTGGTGGACCTGGGCACACCTCAGGCCGAGATCGCCCGCAACATGCCGAGCAGCAAGGACACC
CGCAAGCGGCCCCGCGATGACTCGGACTCCACACTCAAGAAGATGAAGCTGGAGCCCAACCTGGGGGAG
GACGATGAGGACAAAGACTTGGAGCCAGGCCCGTCGGGGACCTCGAAGGCCTCAGCGCAGATCTCCGGC
CAGTCAGACACGGACATCACAGCTGAGTTCCTGCAGCCTCTGCTGACGCCTGATAATGTGGCTAATCTG
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ACAGAGAGCGTCCTGATCAAGCGGCGCCTGTCAGCCCAGGGCCAAGCCATCTCGGTGGTGGGTTCCCTG

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AGCTCCATGTCCCCCCTGGAGGAAGAGGCACCGCAGGCCAAGAGGAGGCCAGAGCCCATTATCCCTGTC
ACTCAGCCCCGGCTGGCAGGCGCTGGTGGGCGCAAGAAAATTTTCCGTCTCAGCGACGTGCTGAAGCCC
CTTACCGATGCCCAGGTGGAAGCCATGAAGCTGGGCGCTGTGAAGCGGATCCTGCGGGCTGAGAAGGCT
GTGGCCTGCAGCGGGGCAGCCCAGGTCCGCATAAAGATCCTGGCCAGCCTGGTGACACAGTTCAACTCG
GGCCTGAAGGCGGAGGTCCTGTCCTTCATCCTGGAGGATGTGCGGGCCCGCCTGGACCTGGCCTTCGCC
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CGCACCTATCTGGGCATGTCCACACTTCGAGACCTGATCTTCAAGCGCCCGTCCCGCCAGTTCCAGTAC
CTGCATGTCCTCCTCGACCTCAGCTCCCATGAGAAGGACAAGGTGCGCTCCCAGGCCCTGCTGTTCATC
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CTGGTGCACCCCAACCCACCGTCTGTGCTGTTTGGAGCTGACAAGGACACAGAGGTGGCAGCACCCTGG
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GCAGAGACACTGGTCACGAGATGTCTGCACAGCCTCACAGACAAAGTCCCACCCTCCCCAGAGCTGGTG
AAGCGGGTCCGGGATCTCTACCACAAGCGACTGCCAGACGTCCGCTTCCTCATCCCGGTGCTCAATGGG
CTGGAGAAGAAAGAGGTGATCCAGGCCCTGCCTAAACTCATCAAACTCAACCCCATCGTGGTGAAGGAA
GTCTTCAACCGCCTGCTGGGCACCCAGCATGGTGAGGGAAACTCAGCCTTGTCCCCGCTGAACCCTGGA
GAGCTCCTGATCGCATTACACAACATTGACTCCGTGAAGTGCGACATGAAATCCATCATCAAAGCCACC
AACCTGTGCTTTGCGGAGCGGAACGTGTACACGTCAGAGGTGCTGGCCGTGGTGATGCAGCAGCTGATG
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GGGGGCTTCGTCATGAACATCCTGTCCCGCCTCATCATGAAGCAGGTGTGGAAGTACCCCAAGGTGTGG
GAGGGCTTCATCAAGTGCTGCCAGCGCACAAAGCCCCAGAGCTTCCAGGTCATCCTGCAGCTGCCGCCC
CAGCAGCTGGGAGCCGTCTTTGACAAGTGCCCAGAGCTCCGGGAGCCCCTGCTGGCCCATGTCCGCTCC
TTCACCCCCCACCAGCAAGCTCACATCCCTAACTCCATCATGACCATCTTGGAGGCCAGCGGCAAGCAG
GAGCCAGAGGCCAAGGAGGCGCCTGCGGGGCCCTTGGAGGAGGATGATCTGGAGCCCCTGACCTTGGCC
CCGGCCCCAGCACCCCGGCCCCCTCAGGACCTCATCGGCCTGCGACTGGCCCAGGAGAAGGCCTTAAAG
CGGCAGCTGGAGGAGGAACAGAAGCTGAAGCCGGGAGGAGTGGGAGCCCCCTCCTCTTCCTCCCCCTCT
CCCTCTCCGTCGGCCCGGCCAGGCCCGCCCCCGTCTGAGGAAGCCATGGATTTCCGGGAGGAGGGGCCT
GAGTGCGAGACCCCGGGCATCTTCATCAGCATGGATGACGACTCGGGGCTGACCGAGGCCGCGCTGTTG
GACTCTAGTCTCGAGGGCCCCCTACCCAAGGAGACGGCAGCGGGCGGGCTGACCTTGAAGGAGGAGCGG
AGCCCCCAGACCCTCGCACCTGTTGGAGAAGATGCTATGAAGACTCCCAGCCCGGCTGCCGAGGACGCC
AGGGAACCCGAGGCCAAGGGGAACAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_004819

Insert Size: 3825 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:	NM_004819.2
RefSeq Size:	4188 bp
RefSeq ORF:	3825 bp
Locus ID:	8189
UniProt ID:	Q92797
Cytogenetics:	19q13.32
Protein Pathways:	Tight junction
MW:	141.1 kDa
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]