

Product datasheet for **RC239003**

SPATS2L (NM_001282744) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATS2L (NM_001282744) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATS2L
Synonyms:	DNAPTP6; SGNP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239003 representing NM_001282744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGACCCGTTTTGCCATAGCTCTTCAGAAACCAGGCTGCTTTCAGGAACATTGCTGTGGATTCCCAGGG
 CCTATTCCACTAGAAGCAAGATGGCTGAACTCAATACTCATGTGAATGTCAAGGAAAAGATCTATGCAGT
 TAGATCAGTTGTTCCCAACAAAAGCAATATGAAATAGTCCTGGTGCTCCAACAGTTTGATTTTAATGTG
 GATAAAGCCGTGCAAGCCTTTGTGGATGGCAGTGAATTCAAGTTCTAAAAGAATGGAATATGACAGGAA
 AAAAGAAGAACATAAAAGAAAAAGCAAGTCCAAGCAGCATCAAGGCAACAAAGATGCTAAAGACAA
 GGTGGAGAGGCCCTGAGGCAGGGCCCTGCAGCCGACGCCACCACAGATTCAAAACGGCCCCATGAATGGC
 TGCGAGAAGGACAGCTCGTCCACAGATTCTGCTAACGAAAAACCAGCCCTTATCCCTCGTGAGAAAAAGA
 TCTCGATACTTGAGGAACCTTCAAAGGCACTTCGTGGGGTACAGAAGGCAACAGACTACTGCAACAGAA
 ACTATCCTTAGATGGGAACCCCAACCTATACATGGAACAACAGAGAGGTGAGATGGCCTACAGTGGTCA
 GCTGAGCAGCCTTGTAACCCAAGCAAGCCTAAGGCAAAAACATCTCCTGTTAAGTCCAATACCCCTGCAG
 CTCATCTTGAAATAAAGCCAGATGAGTTGGCAAAGAAAAGAGGCCCAAATATTGAGAAATCAGTGAAGGA
 TTTGCAACGCTGCACCGTTTCTCTAACTAGATATCGCGTCATGATTAAGGAAGAAGTGGATAGTTCCGTG
 AAGAAGATCAAAGCTGCCTTTGCTGAATTACACAACTGCATCATTGACAAAGAAGTTTCATTAATGGCAG
 AAATGGATAAAGTTAAAGAAGAAGCCATGGAAATCCTGACTGCTCGTCAGAGAAGCAGAGAAGAACTAAA
 GAGACTCACTGACCTTGCCAGTCAGATGGCAGAGATGCAGCTGGCCGAATCAGGGCAGAAATTAAGCAC
 TTTGTGAGCGAGCGTAAATATGACGAGGAGCTCGGGAAGCTGCCGGTTTTCTGTGACATCGAACAGC
 TGAAGGCCCAATCATGCTCTGCGGAGAAATTACACATCCAAGAACAACATTCCTCAAGAACTCCCTG
 CAGCTCCCTGCTGCCTCTGCTGAATGCGCAGCAGCAACCTCTGGGAAACAGAGTAACCTTTCCCGAAAA
 TCATCCACTCACATAAGCCCTCTGAAGGCAAAGCGGCAAACCCCAAAATGGTGAGCAGTCTCCCGAGCA
 CCGCCGACCCCTCTCACCAGACCATGCCGGCAAACAAGCAGAATGGATCTTCTAACCAAAGACGGAGATT
 TAATCCACAGTATCATAACAACAGGCTAAATGGGCCTGCCAAGTCGACAGGCAAGTGGAAATGAAGCCGAG
 CCACTGGGAAAGGGCAACAGCCGCCACGAACACAGAAGACAGCCGCACAACGGCTTCCGGCCCAAAAACA
 AAGGCGGTGCCAAAAATCAAGAGGCTTCCTTGGGGATGAAGACCCCGAGGCCCGGCCATTCTGAAAA
 GCCCGGCGAAGGCAGCACGCTGCAGACACCTCGGAGGCCAGGCCCTCCGGGGTAGTGTGGTAGGGTT
 TCACAGTGAATCTCTGCCCCACGAGAATAAGAGTTTCCACAGATGCAGCAGTTCTCTCAGTCCCGGCTG
 TGACGTTGGTGGCC

ACGCGTACGCGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239003 representing NM_001282744
 Red=Cloning site Green=Tags(s)

MDPFCSSSETRLLSGTLLWIPRAYSTRSKMAELNTHVNVKEIYAVRSVVPNKSNNIIVLVLQQFDFNV
 DKAVQAFVDGSAIQVLKEWNMTGKKNNKRKRSKQHQGNKDAKDKVERPEAGLPQPQPIQNGPMNG
 CEKDSSTDSANEKPALIPREKKISILEPSKALRGVTEGNRLQLQKLSLDGNPKPIHGTTTSDGLQWS
 AEQPCNPSPKAKTSPVKSNTPAHLEIKPDELAKKRGPNIEKSVKDLQRCTVSLTRYRVMKEEVDSSV
 KKIKAFAELHNCIIDKEVSLMAEMDKVKEEAMEILTARQKKAELKRLTDLASQMAEMQLAELRAEIKH
 FYSERKYDEELGKAARFSCDIEQLKAQIMLCGEITHPKNNYSSRTPCSSLLPLLNAAHAATSGKQSNFSRK
 SSTHNKPSSEGKAANPKMVSSLPSTADPSHQTMPANKQNGSSNQRRRFNPQYHNNRLNGPAKSQGSNEAE
 PLGKGNRHEHRRQPHNGFRPNKKGAKNQEASLGMTPEAPAHSEKPRRRQHAADTSEARPFGRSVGRV
 SQCNLCPTRIEVSTDAVLSVPAVTLVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001282744

ORF Size: 1764 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282744.1](#), [NP_001269673.1](#)

RefSeq Size: 6136 bp

RefSeq ORF: 1767 bp

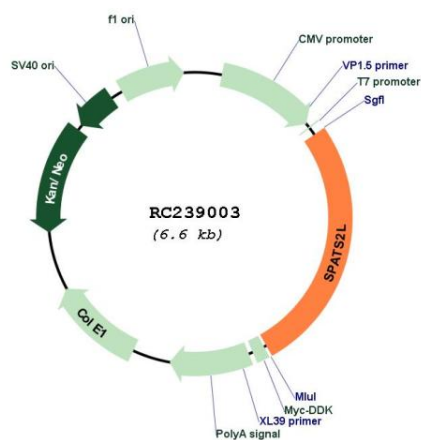
Locus ID: 26010

UniProt ID: Q9NUQ6

Cytogenetics: 2q33.1

MW: 65.6 kDa

Product images:



Circular map for RC239003