

Product datasheet for **MC205188**

Spty2d1 (NM_175318) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spty2d1 (NM_175318) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spty2d1
Synonyms:	5830435K17Rik; AI852426; P16H6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC079859
 CTCAGCGAGAGGCAAGACTCGCATCCACCGCTCCCGAGTCCCCGGCCAGCCGGGCTTTTCTCTTCGGC
 CAGACATGGACTTCAGGAAATCCTCTTGATCGCTTCCAAGGACAAGGTGTCAACCACGTACCGAAAAG
 GTACAGTTTGGCGGTGGGGCCTCCAAGAAAGACCCAAAAGTGAAGGTGTCCAGTCCGCGAGCTGTGCAA
 GCTTTCCTTAGGCGGAAAGAAGAGGAGCTTAGACAAAAAGCCTTGGAAGGAAAAAAGGAAAGAGGAAC
 TAGTGA AAAAGCGAATTGAGCTCAAACATGACAAAAAGCAAGAGCCATGGCCAAGAGGACAAAAGGACAA
 TTTTCATGGTTACGATGGGATTCTGTTGAGGAAAAGACAAAGAAGAAGCAGCTGGTGGAGAGCCACCTG
 AACCGGAACTGACCAGGAGTATGATGTGGAGGAGGAAGACTTCATAGACTACAATCAGGCTGAGCTGG
 ACCAGGACTATGAGGAGGAGCAAGAGCCACCAAGGCTGAAAGCAAACCAAGGCCCCCTTAAAAGTGC
 CCCGTCACCCATGAACCTCACTGACTTACTGAGGCTAGCTGAGAAGAAGCAGTTTGAACCAAGTGGAGATC
 AAGGTAGTGAAGAAAGCAGAAGACCGGCCCTGACTGCAGAGGAACTGAGGGAGCGAGAGTTTCTTGAAC
 GAAAGCATAGGAAAAAGAAACCTGAACCCGATGCCAAACTACCTCCACCCGTGTTGAAAAAGGCGCCCTC
 TCATAAAGACATCATGGGTACAAAGCCAGCAGAGGTGCTGGGGACAGGCAGCTTCTTCCAAGGATTG
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 CCAAATCCCTGCCAGGCGAGAGGACCAAGGTAGGGTCTGGCAGTAGCACCAGCCCTCACTTCGGGAGGG
 TCACAACAGGCCTGTCTTCAATGGGGCTGGAAAGCCCCGCCCCAGCACCTGTTACCAAGTGTCCAAAAG
 ACTCCTGCTAGCGGGACTCAGAAATCTGCTTCTGAGCACAAGCCAAAAAACCTTCTCTCTCATCCGA
 GCCATTTCAAGCCTGGACCCACGGTTCTCTCACACAACAATCTAAGAGTCCAGGTGTGAGACAACCAGG
 CAGCAACTCTGGCTCTGCTCCTGGGCGAGCCTAACCCAGGGACAGCTGACCCACACTTAGTTCTGGCCCT
 GTGCCAGGCGCCAGAACGGCAGCTCCAGCTCAGGACCTGAGCAGTCAGCCGGTGGGATCAGAAAAGCTGG
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 AAGTGGCCCTGGGCGACCCATCAGTGGATCTGCTGTTCTGGGAGACCTGTGGGAGTTCTGGAGGCCCC
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 ACCAGTGAAGCAGCCTAGGCCCTGGACGAGCAGTTAGTAACCCAGGCCTCCCCACAAAGCCAGATGTA
 GTTGTCTCAGAAACAATTTCTTCAAAGAATATTATTAGTCGGTCAAGTAATGGACAGATAAATGGAATGA
 AACCTCTCTCTGCTACAGATCTGCTCAAGGTCCTCAAAGGCTTCCCTTCCCTACTGGCTACAAAAG



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GCCTCGAGAGTATGAAGAAGATGATGATGATGAATATGACTCGGAAATGGATGATTTTCATCGAAGATGAA
 GGAGAACCTCAGGAAGAAATATCCAAGCACATTCGAGAAATCTTTGGCTATGACCGAAAAAATATAAAG
 ATGAAAGTGACTATGCCTTACGTTACATGGAGAGCAGTTGGAAGGAGCAGCAGAAGGAGGAAGCCAAAG
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 GCCAAGAAGCTGAAGCGACACTAGCTGCTGCTACTGTAGATTCTGGAAGGGACACTGCAAGGATCACCTG
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 TGTCTGTTGCAGGCTATCATTGAGTGTGCAAGTGTAAAAAGTAAAGCCAGGGTGGAACTATAATGGAGA
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 TGCCAGAAGAAGATGTTCTTTCCAGTTTTCTTCCAAGCTTTCTGTTACGTTGATTTTACATGAAGTA
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 GATGGTTATTAGATATTAGATATTTGAAAGGGTAGTTTAAAGATTAGCAAGCAACATGATTTTGGCCC
 CTCTGCTTTATTCTCCCCATTACAATGCTATTTGGGACCTAAGGTGCCCTGTACCTCTTGATGTTA
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 GTATCAGGAATACCACCTTCTCTTTGTCGCGTTCGACTTTTATTTCTAACTATGCACTGTGAAGAGAAT
 GTTTCCTGTTGGTGTGAAACCTTCTTACGTTCTATCCTGCTTAAAGCCAGACCTACAGACAGACTTAATG
 CCATTTCAACCTGGAGCCCATCCAGGCTGATGTATGGTCTGGCTGGAAGGAAGCCATGTCTCAAGGACAG
 TCAGCAACAGAAAATGAAATAACATGCTAGAGACTGGAGTGTGGAGGTTTGGGAGCAGCCAGAATTTGGA
 TTGTGGGATGATCCAAATGTATCTGGCTTTCTTAACTGTTAAGCCATGAGGGTGGGAAGCCAGAGAG
 GCTATCCTACAAAGAATTCTTACTTTTCAACAGGTCCAGACTTTATGCATTTGTCCATGATGCTTCATT
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 ACAAACCTGTTTTGAATTGAGTTTCAAACCTTTGAGAAAAGTGAAGGATTTAATTTTAAAGGGTATAGAAC
 GCTTCTAACTCTCCATGTAGGTCTTTATACACTGGTAGCAGAAAGTCTATTATTAACCTCCCTTTCCCTA
 GCCCACCGTTAATAAAGGGAGGAATATTCCACTGGATAAGTATGTTTGGAACATTGTTATTGCTATCA
 CTTGTGTGCTTCCCCGCCTCTGTGATTTTCATATTCATACTCTGGAATCTGTAATTGCGGTCAAAGTTAC
 TGGTGGCTGAAAGTTTACTGTACTCAATTCAGGGTGCAGCTGTTGCACAGAAAGGCCATTGTGCTA
 GATTAAGTTTTCAGAACTGGTAGAGTGAAGTTGTAATCTCTCATGTATGAATGCATTTCTGTAACAGGC
 ATGCATCAACTTTTACATAAGTACTCTTGTGTGGCCATTAAGAAAGACACAGGAAAGATTGTAAGTCCAA
 ATCATGCTTCCATTTTGTCTTCTGTATTTCTGACCATTAGAAAAAGTTCACAAAGCCTTTGAAGAAA
 CAGCAGCAGGCTGTTATTGTTTTCAAGGTTTACAAATTAAGTGTGATTTTAAATGATTTCTCTATC
 TACTGTTTTGATTTTTCAGATTTTACTCAATTTTGAAGATGTGCCTTTTATTGGGTGATGTTAATTCTC
 GAATGTAGTAATGTTGTTTCAACAATGTAATGTTACATGTTTACGGGTGTGACATTTCTTAAACAATTA
 TCGATAAGAAAGTCAATTTTTCATGGAACCTCATGGCTCTGATTGCACAGTCCCTTGTAAAGCAAAGGGCAC
 TCTTTTAAAGCTACTTTCAGAACTGGTCTTTGATTTTCTAAGCGATGGATGTAGTCCATTTAG
 AGGCAGGGTACCACATGTCACAGGCAGCCCTGAGTGTGTCATGAGAAAGTTCAAAGACTGTGACAAAAG
 TCTACAGGAACTCAAAATTTTCAATTTTGTAAATGGTAACCCCAAGATTTTCTCCAAGAAATAAATATTT
 TGTATTTTATAACTTAAAGCAGCTAGTAGTACATTTCTGAGATACAGCAGGAGACCAAAACATTTTTCG
 AAAGAGAATAAATATATAAAGAGAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_175318

Insert Size:

2049 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:	<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:	BC079859 , AAH79859
RefSeq Size:	4731 bp
RefSeq ORF:	2049 bp
Locus ID:	101685
UniProt ID:	Q68FG3
Cytogenetics:	7 B3
Gene Summary:	Histone chaperone that stabilizes pre-existing histone tetramers and regulates replication-independent histone exchange on chromatin. Required for normal chromatin refolding in the coding region of transcribed genes, and for the suppression of spurious transcription. Binds DNA and histones and promotes nucleosome assembly (in vitro). Facilitates formation of tetrameric histone complexes containing histone H3 and H4 (By similarity). Modulates RNA polymerase 1-mediated transcription (By similarity). Binds DNA, with a preference for branched DNA species, such as Y-form DNA and Holliday junction DNA (By similarity). [UniProtKB/Swiss-Prot Function]