

Product datasheet for **MC205786**

Sp2 (NM_001080964) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp2 (NM_001080964) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp2
Synonyms:	4930480I16Rik; mKIAA0048
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021759
 GGCGGCGGAGGCCAGGGAGGAAGATGTCGTAATGAGCGATCCACAGATGAGCATGGCCGCCACTGCTGCT
 GTCAGTCCCAGTGACTACCTGCAGCCTGCTGCTGCTACTACCCAGGACTCCCAGCCATCTCCCTTGGCCC
 TGCTTGTGCGACATGTAGCAAATTTGGCCCCCAGCTGTTGAAGCTGCAGTGACACCTCCTGCTCCCC
 CCAGCCTACCCCAAGGAACTGGTCCCTATCAAACCCGCTCCTCTCCCTCTCAGTCCCTGCAAGAATAGC
 TTTAGCATCTTATCATCTAAAGGAAATATACTTCAGATTGAGGCTCCCAGCTGAGTACCTCCTACCTG
 GAGGGCAGTTTGTGTTTGAATCCAGAACCACCCCTGATCAACAAAGGGAGCCGATCAAATGCAAGTAT
 CCAGTACCAAGTCCCTCAGATCCAAGGGAACAGTTCCCAGACCATCCAGGTGCAGCCAGTCTACCAAC
 CAGATCCAGGTACATCCCAGGCACCAACCAGCCATCACCAACCCCGTCAACATCTGGTCATAAGCCTGTCC
 CCATCAAGCCAGCTCCTGTCCAGAAGTCAAGTACGACTACCACCCTGTGCAGAGCGGGCCAACGTGGT
 GAAGCTGACAGGCGGGGTAGCAACATGACGCTCACCTGCCGCTCAACAACCTGGTGAACACCAGCGAT
 ATTGGGGCCCTGCTCAGCTCCTACTGAGAGCCCCCACCCTGTCTAAGACTAACAAGAAAGCTA
 GGAAGAAGAGCCTCCCTGTGTCACAGCCATCCGTAGCTGTGGTGTGAGCAGGTGGAGACGGTGTGATAGA
 GACCACGGCAGACAACATCATCCAGGCAGGAAACAACCTGCTGATCGTCCAGAGCCCTGGCGGGGCCAG
 CCAGCTGTGGTCCAGCAAGTCCAGGTGGTCCACCAAGGCTGAGCAGCAGCAGGTGGTCCAGATCCCC
 AGCAGGCACTGCGGGTGTGCAAGCTGCCTCTGCCACCCTCCCCACCGTCCCCAGAAAGCCTCTCAGAA
 CTTTCAGATCCAGACAACCTGAACCAACCAACCCAGGTTTATATCCGTACACCTTCTGGTGAGGTACAG
 ACAGTCTTGTCCAGGACAGCCCCCAGCAACAGCTGCAACCACATCAACCGTCACTGTAAACAGCCCTG
 CACTCCGAGTCCCCATCTGAGTGGCACCAGCAAAAAACATTCAGCTGCCATTCTCCGAAAAGAGCGGCC
 CCTGCCAAAGATTGCACCTGCTGGGAGCATCATCAGCCTGAACGCCGCACAGCTGGCAGCAGCTGCTCAG
 GCCATGCAGACCATCAACATCAATGGTGTCCAAGTCCAGGTGTGCCTGTACCATCACCAACACTGGCG
 GGCAGCAGCAGCTGACCGTGCAGAAGCTTCTGGAAACAACCTGACTATCAGTGGGTGAGCCCCACCCA
 GATCCAGCTGCAGATGGAGCAGGCTCTAGCCGGAGAGGCCAGCCTGGGGAGAAACGGCGCCGATGGCC
 TGCACGTGTCCCAACTGCAAGGATGGGGAGAAGAGGTCTGGGGAGCAGGGCAAGAAGAAGCACGTGTGCC
 ACATCCCGGACTGCGGGAAGACTTTCGGGAAGACATCCTTGTCTCCGGGCCACGTCCGCCTGCACACTGG
 CGAGCGGCCCTTTGTCTGCAACTGGTCTTCTGTGAAAGAGATTCACTCGGAGCGATGAACTCCAGCGA
 CATGCTCGAACCACACAGGGGACAAGCGCTTTGAGTGTGCCAATGTCAGAAGCGCTTCATGAGGAGTG
 ACCACCTACCAAGCATTACAAGACCCACCTAGGCACGAAGGGCTTGTAAAGGCAACTGAGGCAGGAGGC
 CCTGAAGATGGAACACCTCCCATCTGATTGGCCCTGGTCCATGATGGACAGGTGCCACGACTGCCCTG
 GGCAGCCCTACCCCACTCCTGTTCTGTGGCTGTGTCCCTGCAGAGAGGGACTCTGTTCTGTGTTCTCC
 TCCTTCCAAAGGCTCTGCCCTCTCACCGTGTGCTCCTGGCCTGCCAGGCCATGGACACTGGCCATGCC
 CAATGAGACGTTCTAACCAGGACGCGTGGGGACCCTTATTTCCAAAGGAAAAACATACATTTCACTCCG
 TCGAGGAGCAAAGTGAGCCCCATCCCCACCCATCCCCCTTCTCAACACTGCCGGAGTCCCATTGTGCC
 ATGCCCTCCCCACCGTGCCTCCTTGTCCCCCTCAATTAAGTCTCCTGGGCCGTAGGGACACCCAG
 GGGCCCTGTACCCAGCCTCCCCTGACACCCCCACCGGGGAGGTGGGAGGCTGCCTCCACTCCACTGCC
 CAGCCCTGCCACGGCTCCTCCAAACATTCAACTTCTATGAAAGGTGAGACGCCGAGGACCTGCCCT
 CCCTCTTTTCTACGGAGAAGCTTGCCCTATACTCACTTCAGATGATGACTGTGAGCAGTGTGTGCTTTA
 ACCACATTTTATTAATTGCTCCCTTCTCTTTGCTAGACGCCCTCCCCCTTGTGATTGATTGCTTTAG
 GGTTTTGGGGCAATGCTGAGCATAGGAGGGTCTTTTTTTTTTTTGTCTATTTTTTTTCTCACTTTAACAA
 TCTTTTCTAAATGACACATTTCAACTCAAATCTGGACTCACCTGAGAACACCTTCCATCCCTGACCCCGCC
 ACGCCCTCATCTCCCCCTGCCAAAGCTCCACTGTGTACAGTGTATATTGTATAATAGACTATTGTGTCTA
 AGACATGTTTTAAAAACATATTGCTTGTATTTTTTGGAGCTTTTAAATTAACAGAAATCCAACCTTTAAA
 AA AAAAAA

Restriction Sites: RsrII-NotI
 ACCN: NM_001080964
 Insert Size: 1818 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:	BC021759 , AAH21759
RefSeq Size:	2946 bp
RefSeq ORF:	1818 bp
Locus ID:	78912
UniProt ID:	Q9D2H6
Cytogenetics:	11 D
Gene Summary:	<p>This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein contains the least conserved DNA-binding domain within the Sp subfamily of proteins, and its DNA sequence specificity differs from the other Sp proteins. The protein can act as a transcriptional activator or repressor, depending on the promoter and cell type. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).</p>