

Product datasheet for **SC118161**

SP2 transcription factor (SP2) (NM_003110) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP2 transcription factor (SP2) (NM_003110) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP2 transcription factor
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118161 sequence for NM_003110 edited (data generated by NextGen Sequencing)

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ATGAGCGATCCACAGACCAGCATGGCTGCCACTGCTGCTGTGAGTCCCAGTGACTACCTG
CAGCCTGCCGCCTCCACCACCCAGGACTCCCAGCCATCTCCCTTAGCCCTGCTTGCTGCA
ACATGTAGCAAAATTGGCCCTCCAGCAGTTGAAGCTGCTGTGACACCTCCTGCTCCCCCA
CAGCCCACACCCGCGAAACTTGTCCCTCAAAGGAAATATACTTCAGATTCAGGGGTCACAA
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CTGAGCGCCTCCTATCCTGGAGGGCAGCTGGTGTTCGCTATCCAGAATCCACCATGATC
AACAAAGGGACCCGATCAAATGCCAATATCCAGTACCAGGCGGTCCCTCAGATTCAGGCA
AGCAATCCCAAACCATCCAAGTACAGCCCAATCTCACCAACCAGATCCAGATCATCCCT
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CCAGCCCCCATCCAGAAGTCGAGTACGACCACCACCCCGTGCAGAGCGGGGCAATGTG
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AACGCCAGTGACACCGGGGCCCTACTCAGCTCCTCACTGAAAGCCCCCAACCCACTG
TCTAAGACTAACAAAGAAAGCAAGGAAGAAGAGCCTTCCTGCCTCCAGCCCCCTGTGGCT
GTGGCTGAGCAGGTGGAGACGGTCTGATCGAGACCACCGCGACAACATCATCCAGGCA
GGAAATAACCTGCTCATTGTTTCCAGAGCCCTGGTGGGGGCCAGCCAGCTGTGGTCCAGCAG
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CGCCGCATGGCCTGCACGTGTCCCAACTGCAAGGATGGGAGAAGAGGTCTGGAGAGCAG
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TTCTGTGGGAAGAGGTTACACGGAGTGACGAGCTCCAACGGCATGCTCGCACCCACACA
GGGGACAACCGCTTCGAGTGCGCCAGTGTGAGAAGCGCTTCATGAGGAGTGACCACCTC
ACCAAGCATTACAAGACCCACCTGGTCACGAAGAACTTGTA

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Clone variation with respect to NM_003110.5
607 c=>t;657 t=>c;717 g=>a;1578 g=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003110 unedited
 TTACGTA CTCTATAGGGCGGCCGCAATTCGGCACGAGGGGAAGATGTCGTAATGAGCG
 ATCCACAGACCAGCATGGCTGCCACTGCTGTGAGTCCCAGTGACTACCTGCAGCCTG
 CCGCTCCACCACCCAGGACTCCCAGCCATCTCCCTTAGCCCTGCTTGCTGCAACATGTA
 GCAAAATTGGCCCTCCAGCAGTTGAAGCTGCTGTGACACCTCTGCTCCCCACAGCCCA
 CACCGCGAAAACCTGTCCCTATCAAACCTGCCCTCTCCCTCTCAGCCCCGGCAAGAATA
 GCTTTGGAACTCTGTCTCCAAAGGAAATATACTTCAGATTCAGGGGTCACAACCTGAGCG
 CCTCTATCCTGGAGGGCAGCTGGTGTTCGCTATCCAGAATCCCACCATGATCAACAAAG
 GGACCCGATCAAATGCCAATATCCAGTACCAGGCGGTCCCTCAGATTCAGGCAAGCAATT
 CCCAAACCATCCAAGTACAGCCCAATCTCACCAACCAGATCCAGATCATCCCTGGCACC
 AACCAAGCATCATCACCCCTCACCGTCCAGTACAAGCCTGTCCCATCAAGCCAGCC
 CCCATCCAGAAGTCGAGTACGACCACCACCCCGTGCAGAGCGGGGCAATGTGGCGAAG
 TTGACAGCGGGGGCGGCAATGTGACGCTACTCTGCCCGTCAACAACCTCGTGAACCGC
 AGTGCCACCGGGGCCCTACTCAGCTCCTACTGAAAGCCCCCAACCCCTGGTTTAA
 ACTAACAAGAAAGCAAGGAGAAGAACCTTCTGCCTCCCAACCCCTGGGGCTGTGGCTG
 AACAGTTGAAAAGGGGCTGATTGAGCACACCGCGGACAACATCTCCAGGCAGAAAAAC
 CTGTCATGGTCAAAGCCCTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003110 unedited
 CGAAACCGCANTTGAGAGTCGAGTTTTTTTTCTTTTTTTTAAAGTTGGATTTTTGTTTAA
 TTTAAAAGCCTCAAAAATAACAAGCAATGTGTTTTTAAACATGTAGTAGACACAATTGTC
 TATTATACAATATACACTGTACACAAGTAGAGCTTGGCCGGGCAGGGGTGAGGTGAAGG
 GAGAGGGAGGAGGTGCAGGATGTGCAGGTGCTGTTATCTGAATCCAGATTTGAGTTTAA
 TGCTGTGTCATTTAAAAAAGGAATTGCTAGAGTGAGAAAAAATTCATATGCTCATCATT
 GCCCCCAACCCTCAACTGAAAGCAGGCATCAGGGAGGTGAATAACAAGGAAAGGAAGAAG
 GGAGCAATTAATAAACTTCTTTAAAGCACACACAGTACACAGTGTTCATCATCTGAAG
 TAGAGAGTATAAGGCAACGTTCTCCATAGAAAAAGAGGGGATCAGGAGTCGGTGGGTGT
 CTTTACTTTTTAAATAGAGCTGGAATGTGCTGGAGGAGAGGTTGTGGCGGGCTGGGCAC
 ATGGAGTGGAGGTGGCCCGAGTTTCTCCAGAGGTGGGTGCCAAGCCCCAGGCGTCCAC
 AGTGGCCCGCAGGGCCCAGGAGGTGCAGGAGAGGGGCGATGCCATGACCGGACTCCGGCA
 GTGTTGGAGCGNGATCGGNGTGGGGGTAAGNGGCTCACTTTTGCTCCTCGACGGAGG
 GAAATGCATGTTTTCTTTGAAAATAAGGTTTCCACGCGCTGTTGTTTTAAACCGGTT
 ATGGGACCGGCACTGGTCAAATCTTGGCACGCCCGAACTTCTGGGAGGGGAAGGGCC
 AGGCTCATCCACGGGCTTGTTAAGGGGCATCCCTGCTACACAACCCCTTCTGGTGCCAC
 CCTCTCCAATCGGGGCCGAGCTTCCATCCCATATACTCACTCCAT

Restriction Sites:

NotI-NotI

ACCN:

NM_003110

Insert Size:

3260 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:

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_003110.4](#), [NP_003101.2](#)

RefSeq Size: 3031 bp

RefSeq ORF: 1821 bp

Locus ID: 6668

UniProt ID: [Q02086](#)

Cytogenetics: 17q21.32

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: 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. It localizes primarily within subnuclear foci associated with the nuclear matrix, and can activate or in some cases repress expression from different promoters. [provided by RefSeq, Jul 2008]