

Product datasheet for **SC324307**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003110.5
AGGAAGATGTCGTAATGAGCGATCCACAGACCAGCATGGCTGCCACTGCTGCTGTGAGTC
CCAGTGACTACCTGCAGCCTGCCGCCTCCACCACCCAGGACTCCCAGCCATCTCCCTTAG
CCCTGCTTGTGCAACATGTAGCAAAATGGCCCTCCAGCAGTTGAAGCTGCTGTGACAC
CTCCTGCTCCCCACAGCCACACCGCGAAACTTGTCCCTATCAAACCTGCCCTCTCC
CTCTCAGCCCCGGCAAGAATAGCTTTGGAATCTGTCTCCAAAGGAAATATACTTCAGA
TTCAGGGTCACTCAACTGAGCGCTCTATCTCGAGGGCAGCTGGTGTTCGCTATCCAGA
ATCCCACCATGATCAACAAGGGACCCGATCAAATGCCAATATCCAGTACCAGGCGGTCC
CTCAGATTCAAGCAAGCAATTCCCAAACCATCCAAGTACAGCCCAATCTACCAACCAGA
TCCAGATCATCCCTGGCACCAACCAAGCCATCATCACCCCTCACCGTCCAGTACAAGC
CTGTCCCCATCAAGCCAGCCCCATCCAGAAGTCGAGTACGACCACCACCCCGTGCAGA
GCGGGGCAATGTGGTGAAGTTGACAGGTGGGGGCGGCAATGTGACGCTCACTCTGCCCG
TCAACAACCTCGTGAACGCCAGTACACCGGGGCCCTACTCAGTCTCTACTGAAAGCC
CCCCAACCCACTGTCTAAGACTAACAAGAAAGCAAGGAAGAAGAGCCTTCTGCCTCCC
AGCCCCCTGTGGCTGTGGCTGAGCAGGTGGAGACGGTGTGATCGAGACCACCGGGACA
ACATCATCCAGGCAAGAAATAACCTGCTATTGTTCCAGAGCCCTGGTGGGGGCCAGCCAG
CTGTGGTCCAGCAGGTCCAGGTGGTGCSCCCCAAGGCCGAGCAGCAGAGGTGGTACAGA
TCCCCCAGCAGGCTCTGCGGGTGGTGCAGGCGGCATCTGCCACCCTCCCCACTGTACCC
AGAAGCCCTCCAGAACTTTAGATCCAGGCAGCTGAGCCGACACCTACTCAGGTCTACA
TCCGCACGCCTTCCGGTGAAGTGCAGACAGTCTTGTCCAGGACAGCCCCCAGCAACAG
CTGCAGCCACCTTAACACCACCTGTAGCAGCCCTGCATCCCCTGCTCCCCATCTGAGTG
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CCCCACCGGGAGCATCATCAGCCTGAATGCAGCCAGTTGGCGGAGCTGCCAGGCAA
TGCAGACCATCAACATCAATGGTGTCCAGGTCCAGGGCGTGCCTGTACCATCACCAACA
CAGGCGGGCAGCAGCAGCTGACAGTGCAGAATGTTTCTGGGAACAACCTGACCATCAGTG
GGCTGAGCCCCACCCAGATCCAGCTGCAAATGGAACAAGCCCTGGCCGGAGAGACCAGC
CCGGGGAGAAGCGGCGCCGATGGCCTGCACGTGTCCCACTGCAAGGATGGGGAGAAGA
GGTCTGGAGAGCAGGGCAAGAAGAAGCACGTTTGCACATCCCCGACTGTGGCAAGACGT
TCCGTAAGACGTCTTGTGCGTGCCTGTGCGCCTGCACACTGGCAGCGGCCCTTTG
TCTGCAACTGGTCTTCTGTGGGAAGAGGTTACACGGAGTGACGAGCTCAACGGCATG
CTCGCACCCACACAGGGGACAAACGCTTCGAGTGCGCCAGTGTGAGAAGCGCTTCATGA
GGAGTGACCACCTCACCAGCATTACAAGACCCACCTGGTCCAGAAAGCTTGTAAAGCC
AACTGCGGCGGGAGGCCCTGAAGATGCAGTCCCCACCTGTGTCTCCCTGGGCCCTGG
TGGAAAGGAGCCCTGTGGCTGCCTTGGGCTGCCCTCAGCCCCACTCCTGTTCTGCAACT
GTCCCCACAGGAAGGGGCTCTGTTCCCTGTATTGTCTCCTTCTGAAGCCCTTGGCTCT
GCCTTGGCCCTTCCCCTCACCACGAGCTCCCGGCTGCCAGACTGTGGACACTGGCCGT
GCCCAATGAGACGTTCTAAACCAGGACGCGTGGGAACCTTATTTCAAAGGAAAAACAT
GCATTTCACTCCGTGAGGAGCAAAGTGAGCCCTACCCCCACCCGATCCCCGCTCCC
AACACTGCCGGAGTCGCGTCATGCCATGCCCTCTCCTGCACCTCCCTGGCCCTGCCGG
CCACTGTGGACGCCCTGGGGCTTGGCACCCACCTCTGGAGAAACTCGGGGCCACCTCCAC
TCCATGTGCCAGCCCCGCCACAACCTCTCCTCCAGCACATTCCAGCTCTATTTAAAAAG
TAAAGACACCCACCGACTCTGATCCCCCTCTTTTTCTATGGAGAACGTTGCCTATACT
CTCTACTTCAGATGATGAACACTGTGTACTGTGTGTGCTTTAAAGAAGTTTTATTTAATT
GCTCCCTTCTTCCCTTCTTGTATTACCTCCCTGATGCCTGCTTTCAGTTGAGGGTTG
GGGGCAATGATGAGCATATGAATTTTTTCTCACTTAGCAATTCCTTTTCTAAATGACA
CAGCATTTAAACTCAAATCTGGATTGAGATAACAGCACCTGCACATCCTGCACCTCTCC
CTCTCCCTTACCTCACCCTGCCCGGCCAAGCTCTACTTGTGTACAGTGTATATTGTA
TAATAGACAATTGTGCTACTACATGTTTAAAAACACATTGCTTGTATTTTTGAGGCTT
TTAAATTAACAACAAAATCCAACCTTATTTTTAGTTGTAACCTGCTTGGAGTATGTTTTATG
AATTAAGTGACAGATTTGTTATCCTTTATTAACGTACTTTGTTGGTCAGCACTGGGCTGA
CAAAAATTTTTCTGCTAATAAATTTAGTTGCCTGAGGCAAAATCTTCAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_003110
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:	<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:	NM_003110.5 , NP_003101.3
RefSeq Size:	3132 bp
RefSeq ORF:	1842 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]