

Product datasheet for **SC314689**

Transcription factor Sp4 (SP4) (NM_003112) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transcription factor Sp4 (SP4) (NM_003112) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transcription factor Sp4
Synonyms:	HF1B; SPR-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003112 edited
 CCAGCTACAGCCTCTCCGAGCCACCGCGGGCGGGGACCGGCCTCTCCTCCCGCCTC
 GCCCCACCCACCCACCTCTATCCCAGTGTCTCCGTCTGAGGGTTTGTCTGTTAATG
 CGGGATGAGCGATCAGAAGAAGGAGGAGGAGGAGGAGGCGGCAGCGGCAGCGCGATGGC
 TACAGAAGGAGGGAAAACCTCTGAGCCAGAGAATAACAATAAAAAACCCAAAACCTCAGG
 CTCCCAGGACTCTCAGCCCTCTCCTCTGGCTTTACTGGCAGCTACTTGCAGCAAAATAGG
 GACTCTGGTAAAAATCAAGCAACTGGACAACAACAATTATTATAGATCCAAGTCAAGG
 ATTGGTGCAACTTCAAAATCAACCACAACAGCTAGAACTGGTAACAACGCAACTTGCTGG
 AAACGCTTGGCAACTTGTTCCTCCACTCCTCCTGCTTCAAAAGAGAATAACGTTTCTCA
 ACCAGCCTCTAGTTCGTCTAGTTCCTCCAGCAGTAATAACGGGAGTGCATCTCTACAAA
 AACTAAATCAGGTAATTCTCCACCCCTGGTCAATTTCAAGTCATACAAGTACAAAATCC
 AAGTGGTAGTGTACAGTACCAAGTAATCCACAACCTTCAGACAGTGAAGGTCAACAAAT
 TCAATCAATCCAAGTGTAGTTCATCTCTACAGGATTTGCAGGGTCAAATTCAGCTCAT
 TTCTGCAGGTAATAATCAAGCTATACTCACAGCTGCTAACAGGACAGCTTCTGGGATAT
 TCTTGCTCAAAACCTGGCAAATCAGACAGTTCCGGTCAAATTAGACCTGGTGTTCAT
 ACCACTGCAGTTACAGACTCTTCTGGTACTCAGGCTCAAGTTGTAAACCCCTACCAAT
 TAACATTTGGAGGAGTGACTCTAGCTTTGCCAGTGATAACAACGTGGCTGCCGGAGGAGG
 GACTGGGCAGGTTGGCCAGCCTGCTGCTACTGCTGATAGTGGGACTTCCAATGGGAATCA
 ATTAGTTTCCACCCACCAACCCACTACTTCTGCCAGTACTATGCCAGAATCTCCCTC
 CTCCTCCACTACCTGCACAACCACTGCTTCAACGTCTTTGACAAGCAGTGACACATTAGT
 GAGCTCAGCAGATACTGGCCAGTATGCAAGCACATCAGCCAGTAGTTCGAACGCACCAT
 TGAAGAATCTCAACACCTGCTGCTACTGAGTCTGAAGCCAGAGCTCCAGTCAGTTCA
 GCCTAATGGAATGCAGAATGCACAGGATCAATCAAATTTCTTTCAGCAGGTGCAAATTTG
 AGGCCAACCTATCTTACAGCAGATCCAGATCCAACAGCCTCAGCAACAGATCATTAGGC
 TATTCACCACAGTCGTTTCAACTCCAGTCAGGGCAGACGATTACAGACCTCCAGCAGCA
 GCCTTTACAGAATGTTCAACTTCAAGCAGTAAATCCGACTCAGGTGCTTATCAGGGCTCC
 AACTTTAACACCTTCAGGGCAAATCAGTTGGCAAACGTACAGGTTCAGAATATTCAGAG
 TCTTTCAAATTTGCAAGTTCAGAATGCTGGGTTATCCCAACAATTAACCATCACCCAGT
 GTCTTCAAGTGGTGGCACAACCTTGTCTCAGATTGCTCCTGTGGCTGTTGCTGGTCCCC
 AATAACTTTGAATACTGCCAGCTTGCATCAGTGCCTAACCTTCAGACAGTGAGCGTTGC
 CAACCTGGGTGCTGCAGGTGTTCAAGTGCAGGGAGTCCCGTTACAATCACTAGTGTTC
 AGGTGAGCAGCAAGGACAAGATGGAGTAAAAGTCCAGCAAGCTACTATAGCTCCTGTAAC
 TGTAGCAGTTGGAGGAATTGCTAATGCCACGATAGGTGCTGTTAGTCTGACCAACTCAC
 ACAAGTGCATTTGCAGCAAGGCCAGCAGACTTCTGATCAAGAGGTACAACCTGGCAAGAG
 GCTTCGAAGAGTTGCCTGTTCTCTGCTCAATTGTAGGGAAGGAGAAGGAAGGCAGTAA
 TGAACCAGGAAAAAGAAGCAGCATATCTGTATATTGAAGGATGTGGTAAAGTTTATGG
 CAAAACATCTCATTACGAGCACATCTTCGCTGGCATACTGGAGAAAGACCTTTTATATG
 CAACTGGATGTTTTGTGGCAAAGATTCACACGGAGTGATGAGCTCCAGAGACATAGAAG
 AACCCATACAGGTGAAAAGAGATTTGAATGCCCGGAATGTTCTAAAAGGTTTATGCGGAG
 TGATCATCTCTCAAACATGTCAAACGCACCAGAATAAAAAAGGTGGTGGGACAGCTCT
 TGCCATTGTTACCTCGGGAAGTGGACTCATCTGTTACAGAGGTGCTTGGCTCCCAAG
 AATTGTACAGTTGCAGCCATTTCTCAAGATTCGAATCCAGCAACTCCCAATGTTTCAAC
 CAACATGGAAGAATTCTGAAAAGTTATTTATAACAGAGACCTCTAGTGTGCACTTGTTT
 ACACACCTTTGAAAATCTGAAAATGGGCTGGTCAAGTGGATTACAGAGTAGGAAATTATG
 TTTTCATTCTGGCTTCTTAAGTATTCCAGGGTTTGGGGTCAACACT

Restriction Sites: Please inquire
ACCN: NM_003112
Insert Size: 2600 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_003112.3.
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:	<u>NM_003112.3, NP_003103.2</u>
RefSeq Size:	5811 bp
RefSeq ORF:	2355 bp
Locus ID:	6671
UniProt ID:	<u>Q02446</u>
Cytogenetics:	7p15.3
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a transcription factor that can bind to the GC promoter region of a variety of genes, including those of the photoreceptor signal transduction system. The encoded protein binds to the same sites in promoter CpG islands as does the transcription factor SP1, although its expression is much more restricted compared to that of SP1. This gene may be involved in bipolar disorder and schizophrenia. [provided by RefSeq, May 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>