

Product datasheet for **SC101137**

SP1 (NM_138473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP1 (NM_138473) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP1
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for NM_138473 edited
TCGGCACGAGGCTTGCCCTCGTCAGCGTCCCGTTTTTCCCGGCCCCCAACCCCCCG
GACAGGACCCCTTGAGCTTGTCCCTCAGCTGCCACCATGAGCGACCAAGATCACTCCAT
GGATGAAATGACAGCTGTGGTGAATTTGAAAAAGGAGTTGGTGGCAATAATGGGGGCAA
TGGTAATGGTGGTGGTGCCTTTTACAGGCTCGAAGTAGCAGCACAGGCAGTAGCAGCAG
CACTGGAGGAGGAGGGCAGGAGTCCCAGCCATCCCCTTTGGCTCTGCTGGCAGCAACTTG
CAGCAGAATTGAGTCACCAATGAGAACAGCAACAACCTCCAGGGCCCGAGTCAGTCAGG
GGGAACAGGTGAGCTTGACCTCACAGCCACACAACCTTTCACAGGGTGCCAATGGCTGGCA
GATCATCTCTTCCCTCTGTTGGGCTACCCCTACCTCAAAGGAACAGAGTGGCAGCAGTAC
CAATGGCAGCAATGGCAGTGAGTCTTCCAAGAATCGCACAGTCTCTGGTGGGCGATATGT
TGTGGCTGCCCTCCCACTTACAGAACCAGCAAGTTCTGACAGGACTACCTGGAGTGAT
GCCTAATATTCAGTATCAAGTAATCCACAGTTCCAGACCGTTGATGGGCAACAGCTGCA
GTTTGTGCCACTGGGGCCAAGTGCAGCAGGATGGTTCTGGTCAAATACAGATCATAACC
AGGTGCAAACCAACAGATTATCACAAATCGAGGAAGTGGAGGCAACATCATTGCTGCTAT
GCCAAACCTACTCCAGCAGGCTGTCCCCTCCAAGGCCTGGCTAATAATGTAATCTCAGG
ACAGACTCAGTATGTGACCAATGTACCAGTGGCCCTGAATGGGAACATCACCTTGCTACC
TGCAACAGCGTTTTCTGAGCTACCTTGACTCCCAGCTCTCAGGCAGTCACGATCAGCAG
CTCTGGGTCCCAGGAGAGTGGCTCACAGCCTGTCACTCAGGGACTACCATCAGTTCTGC
CAGCTTGGTATCATCACAAAGCCAGTTCCAGCTCCTTTTTTACCAATGCCAATAGCTACTC
AACTACTACTACCACCAGCAACATGGGAATTATGAACTTTACTACCAGTGGATCATCAGG
GACCAACTCTCAAGGCCAGACACCCAGAGGGTCAAGTGGGCTACAGGGTCTGATGCTCT
GAACATCCAGCAAAACCAGACATCTGGAGGCTCATTGCAAGCAGGCCAGCAAAAAGAAGG
AGAGCAAAACCAGCAGACACAGCAGCAACAATTTTATCCAGCCTCAGTATGTTCAAGG
GGGACAGGCCCTCCAGGCCCTCAAGCAGCACCAATTGTACAGGGCAGACCTTTACAACCTCA
AGCCATCTCCCAGGAAACCCTCCAGAACCTCCAGCTTCAGGCTGTTCCAACCTCTGGTCC
CATCATCATCCGGACACCAACAGTGGGGCCAATGGACAGGTCAAGTGGCAGACTCTACA
GCTGCAGAACCTCCAAGTTCAGAACCCACAAGCCCAAACAATCACCTTAGCCCCAATGCA
GGGTGTTTCTTGGGGCAGACCAGCAGCAGCAACACCCTCTCACACCCATTGCCTCAGC
TGCTTCCATTCTGCTGGCACAGTCACTGTGAATGCTGCTCAACTCTCCTCCATGCCAGG
CCTCCAGACCATTAACCTCAGTGCATTGGGTACTTCAGGAATCCAGGTGCACCCAATTCA
AGGCCTGCCGTTGGCTATAGCAAATGCCCCAGGTGATCATGGAGCTCAGCTTGGTCTCCA
TGGGGCTGGTGGTATGGAATACATGATGACACAGCAGGTGGAGAGGAAGGAGAAAACAG
CCCAGATGCCAACCCTAAGCCGGTCCGAGGACCCGGCGGGAAGCATGCACCTGCCCTTA
CTGTAAAGACAGTGAAGGAAGGGGCTCGGGGGATCCTGGCAAAAAGAAACAGCATATTTG
CCACATCCAAGGCTGTGGGAAAGTGTATGGCAAGACCTCTCACCTGCGGGCACACTTGGC
CTGGCATAACAGGCGAGAGGCCATTTATGTGTACCTGGTCATACTGTGGGAAACGCTTCA
ACGTTCCGATGAGCTACAGAGGCACAAACGTACACACACAGGTGAGAAGAAATTTGCCTG
CCCTGAGTGTCTAAGCGCTTCATGAGGAGTGACCACCTGTCAAACATATCAAGACCCA
CCAGAATAAGAAGGGAGGCCAGGTGTAGCTCTGAGTGTGGGCACTTTGCCCTGGACAG
TGGGGCAGGTTTCAAGAGGCAGTGGCACTGCCACTCCTTCAGCCCTTATTACCACCAATAT
GGTAGCCATGGAGCCATCTGTCCAGAGGCGATTGCCCGTCTTGCCAACAGTGGCATCAA
CGTCATGCAGGTGGCAGATCTGCAGTCCATTAATATCAGTGGCAATGGCTTCTGAGATCA
GGCACCCGGGGCCAGAGACATATGGGCCATACCCCTTAACCCCGGGATGCAAGGTAGCAT
GGGTCCAAGAGACATGGAAGAGAGAGCCATGAAGC
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_138473 unedited
 NGGGGGAAGGGNNNNNNNNNNCTCCCCNNNTTTTCTTACACCCGCCGTTGNCG
 CAAAGGGCGGTAGGCGGTACGGTGGGNAGTCTATATAAGCAGAGCTCATTTAGGTGACA
 CTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTCGGCACGAGGCTTGC
 CTCGTACGCGTCCGCGTTTTTCCCGCCCCCAACCCCCGACAGGACCCCTTGA
 GCTTGTCCCTCAGCTGCCACCATGAGCGACCAAGATCACTCCATGGATGAAATGACAGCT
 GTGGTGAAAATTGAAAAAGGAGTTGGTGGCAATAATGGGGCAATGGTAATGGTGGTGGT
 GCCTTTTACAGGCTCGAAGTAGCAGCACAGGCAGTAGCAGCAGCACTGGAGGAGGAGGG
 CAGGAGTCCCAGCCATCCCTTTGGCTCTGCTGGCAGCAACTTGCAGCAGAATTGAGTCA
 CCCAATGAGAACAGCAACAACCTCCAGGGCCCGAGTCAGTCAGGGGGAACAGGTGAGCTT
 GACCTCACAGCCACACAACCTTTCACAGGGTGCCAAATGGCTGGCAGATCATCTTCTCC
 TCTGGGGTACCCCTACCTCAAAGGAACAGAGTGGCAGCAGTACCAATGGCAGCAATGGC
 AGTGAGTCTTCCAAGAATCGCACAGTCTCTGGTGGCAGTATGTTGTGGCTGCCGCTCCC
 AACTTACAGAACCAGCAAGTTCTGACAGGACTACCTGGAGTGATGCCTAATATTCAGTAT
 CAAGTAATCCCACAGTTCAGACCGTTGATGGGCAACAGCTGCAGTTTGTGCCACTGGG
 GCCCAAGTGCAGCAGGATGGGTTCTGGTCAAATACAGATCACTACCAAGTCAAACCAACA
 GATTATCACAAATCGAGGAAGTGGNAGGCACATCATTGCTGCTATGCCAAACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_138473 unedited
 CTCCTTATGTACGCGCCGCAATTCTANGATCGGTTTTTTTTTTTTTTTTTCCCCTGAT
 ACTTAGCTAGGACTTAGGGCAGTTGAGAGGCAGATCATCATGCCTCTACTTTCTTAGCAG
 AGACAAGGAAGACTGGGGCTGTTTGATAATGAGGAAGGGGAAAAATGGGACAAAATACTCC
 TCTTTCAAATGAACACTGTGGAGAAAATCTTTCTGGGTTTGGGGAAGTCAGAGTAAAGAC
 TTAGGGGAGTAATAAAGCCAGAGACCCCTTCTTTTCCCTTCCCTGGCTTGGATCTAAG
 GCAAGTGAGCCAAATTTGGAAGAGGGAGTAGGAATTTAAGCTTAAGGCTGCTTAATGTCT
 TCCTGGGGGCTGGTGTGTTTGGGAAGGCAGACAAAGAGAAACAGGTCAACCTCAAAGCTGG
 TCTGCTCATCCTCTTAGAAGAGGTCTGGTATCTGTGGAGTAGAGCCAAGAGAGGCACCAC
 AGAGAGCACAGTCTCCAAACAGAAGTAATAACCGGCTCATATTTTATCAGCAGTTTTCA
 AAAGCAATGTTTTCCGGGGTTGGAGAAGTGCCATATCTTCTCCCTTTCCCAAAGCTAC
 TGCTGCGACCTTTCTTTTATCCTTGTACATAAGTTACTGGCTCTTCTAAGGGAGATAA
 ATTCTGAGATTTACATTTTCCCTCTCAACCCCAATAGGCTACCCAGCTTCAGTGAGGGG
 GAAGGAGAGCTATGCAAAGGGCCCTCACTTGGAGCAGCTAGACTGTCCTTATTTCTTGG
 GTACCTGATCTCCAAAACCTTGATCTGATCCCAAGGTCCAAAAGGCATCAGGNTACTTA
 CACTGAANACTTNAAGCAGTAGCACCAGGGCTCCCCCTAAAGCATACAGNGCCTGATT
 AGCACCCAGAATGATCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_138473

Insert Size:

7000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_138473.2 , NP_612482.2
RefSeq Size:	7667 bp
RefSeq ORF:	2358 bp
Locus ID:	6667
UniProt ID:	P08047
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors
Protein Pathways:	Huntington's disease, TGF-beta signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>