

## Product datasheet for **SC307831**

### SP8 (NM\_198956) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SP8 (NM_198956) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP8
Synonyms:	BTD
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_198956, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCTTGCCGCTACCTGTAATAAGATAGGCAGCCCCAGCCGCTCCCTCCTCCCTCTCG GACAGCTCTTCTTCTTCGCGCAAAGGCTTCCACCCCTGGAAACGCTCCTCGTCTCTTCT TCCGCCAGCTGCAACGTAGTGGTTCCAGTCTCTCAAGCTTCGGCGTGTCCGGGGCTCC AGGAACGGCGGCTCGTCTCGGCGGCTGCGGCGGCCGCGGCAGCAGCCGCGGCTGCCGCG GCCCTGGTGTCCGACTCGTTCAGTGTGCGGCGGCTCGCTGGCTCCAGCGCCTTCTCCCTC ACCTCCAGCAGCGCCGCGAGCCGCCGCCGCCGCCGCGCAGCCGCCGCCTCCAGCTCGCCC TTCGCCAACGACTACTCTGTTTTCCAGGCCCGCGAGTTTCCGGGGGAGCGGCGCGGCG GGCGGGGGCGGCGGCGGCGGCTCCTCCGCGCACTCGCAGGACGGCTCCACCCAGCCGGTG TTCATCTCCAAGGTGCACACCTCTGTGGACGGGCTGCAGGGCATCTACCCGCGGGTGGGC ATGGCGCACCCGTACGAGTCGTGGTTTAAGCCCTCGCACCCGGGCTGGGTGCTGCGGGC GAGGTGGGCTCGGCCGGCGCCTCCAGCTGGTGGGACGTGGGGGCCGGCTGGATCGACGTG CAGAACCCGAACAGCGCGGCTGCGCTGCCCGGCTCGTGCACCTGCCGCCGGGGGGCTC CAAACCTCGTGCACCTGCGCGCTCGGAGGCTACAACCTCGGATTACTCGGGCTGAGTCAC TCGGCCTTCAGCAGCGGCGCCTCCTCGCACCTGCTCAGCCCCGCCGGGCAGCACCTCATG GACGGCTTCAAGCCAGTGCTACCCGGCTCCTACCCGGAAGTTCGGCCCCGTCGCCGCTGGCC GGCGCGGGGGGCTCCATGTTGAGCGCTGGGCCTTCGGCGCCGCTGGGGGGCTCCCGCGC TCCTCAGCTCGCGCTACTCCGGCCGCGCCACCTGCGACTGCCCAACTGCCAGGAGGCA GAGCGGTGGGCCTGCCGGGGCGAGCTTGCGGCGCAAGGGCTGCACAGCTGCCACATC CCGGGCTGCGGCAAGGTGTACGGCAAGACTTCGCACCTCAAGGCGCACCTGCGTGGCAC ACGGGCGAGCGGCCCTTCGTGTGCAACTGGCTTTCTGCGGCAAGCGCTTACGCGCTCC GACGAGTGCAGCGGCACCTGCGGACCCACACCGGCGAGAAGCGCTTCGCTGTCCAGTT TGCAACAAGCGCTTCATGCGCAGCGACACCTCAGCAAGCACGTGAAGACGCACAGTGGC GGCGGCGGCGGCGGCGGCTCGGCGGGCTCGGGCAGCGGCGGCAAGAAGGGCAGCGACACC GACAGCGAGCACAGCGCCGCGGGCAGCCCGCCCTGCCACTCCCCAGAGCTGCTGCAGCCC CCCAGCCCGGGCACCGCAACGGCTAGAGTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_198956



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_198956.1</a></u> , <u><a href="#">NP_945194.1</a></u>
<b>RefSeq Size:</b>	3766 bp
<b>RefSeq ORF:</b>	1473 bp
<b>Locus ID:</b>	221833
<b>UniProt ID:</b>	<u><a href="#">Q8IXZ3</a></u>
<b>Cytogenetics:</b>	7p21.1
<b>Gene Summary:</b>	<p>The protein encoded by this gene is an SP family transcription factor that in mouse has been shown to be essential for proper limb development. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2) includes an alternate internal exon and initiates translation from a downstream start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to 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>