

## Product datasheet for SC307917

### SP6 (NM\_199262) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SP6 (NM_199262) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP6
Synonyms:	EPFN; EPIPROFIN; KLF14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307917 representing NM_199262. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG  
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
ATGCTAACCGCTGTCTGCGGCTCTCTGGGCAGCCAGCACACGGAAGCGCCGACGCCTCCCCGCCGCGC  
CTCGACCTGCAGCCTCTCCAACTTACCAGGGCCACAGACCCCTGAGGCCGGGACTACCCCTCCCCG  
CTGCAGCTGGAGAGCTGCAGAGCCTCCCGCTGGGCCCGAGGTGGACTTCTCGCAGGGCTATGAGCTG  
CCAGGGCCCTCTCGCGGTAACCTGCGAGGACCTGAAAGCGACAGTCCCTTGGCCCCGGGCCCTTT  
TCCAAGCTCCTGCAGCCGACATGTCACACCATTATGAATCGTGGTTCAGGCCGACTCACCAGGGCGG  
GAGGATGGCTCGTGGTGGACCTTCATCCGGCCACCAGCTGGATGGACCTCCCCCACTCAGGGCGCG  
CTGACCTCACCTGGCCACCCGGGGCGCTTCAGGCCGGCTTGGGGGCTACGTCGGAGACCACAGCTT  
TGTGCCCGCCACCCACCCGCATGCGCACACCTCCTCCAGCTGCCGGAGGGCAGCATCTCTAGGG  
CCGCCCGACGGGGCTAAGGCTTGAAGTAGCCGCCCGGAGTCTCAAGGGCTGGATTCCAGCCTGGAC  
GGGGCGGCGCGTCCAAAGGCTCCCGCGGTCCGTGCCCGCAGCTCAGGCCAGACCGTCTGTGCGTGC  
CCCAACTGTCTGGAGGCGGAGCGACTGGGGCTCCATGTGGGCCGATGGGGCAAGAAGAAGCATTG  
CACAACGCCACATCCCGGGTGCGGGAAAGCCTACGCCAAGACGTCGCACCTGAAGGCGCACCTGCCG  
TGGCACAGCGGACCGTCCCTTCGTGTGCAACTGGCTCTTCTGCGGCAAGCGCTTACGCGCTCGGAC  
GAGCTGCAGCGCCACCTCCAGACCCACACCGGCCACCAAGAAGTCCCTGTGCAGTTCAGCCGCGCTC  
TTCATGCGCAGCGACCACTGGCCAAGCACATGAAAACCCAGAGGGCGCAAGGAGGAGGCGGCTGGG  
GCGGCCTCGGGAGAGGGCAAGGCCGCGCGCAGTGGAGCCCCCGGGGCAAGGCAAACGCGAGGCC  
GAGGGCAGCGTGGCTCCCTCCAAC**TGA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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Plasmid Map:	□
ACCN:	NM_199262
Insert Size:	1131 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:	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"><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>
RefSeq:	<a href="#">NM_199262.2</a>
RefSeq Size:	3794 bp
RefSeq ORF:	1131 bp
Locus ID:	80320
UniProt ID:	<a href="#">Q3SY56</a>
Cytogenetics:	17q21.32
Protein Families:	Transcription Factors
MW:	39.8 kDa
Gene Summary:	SP6 belongs to a family of transcription factors that contain 3 classical zinc finger DNA-binding domains consisting of a zinc atom tetrahedrally coordinated by 2 cysteines and 2 histidines (C2H2 motif). These transcription factors bind to GC-rich sequences and related GT and CACCC boxes (Schoy et al., 2000 [PubMed 11087666]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) differs in the 5' UTR and represents the use of an alternate promoter, compared to variant 1. Variants 1 and 2 encode the same protein.