

Product datasheet for **SC325980**

Transcription Factor SP9 (SP9) (NM_001145250) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transcription Factor SP9 (SP9) (NM_001145250) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transcription Factor SP9
Synonyms:	ZNF990
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC325980 representing NM_001145250.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCACGTCTATACTCGGGGAAGAGCCGCGCTTCGGAACGACCCCGTTGGCCATGCTGGCGGCGACC
TGCAACAAGATCGGCAACACGAGCCCGCTGACGACGCTGCCAGAGTCGAGCGCCTTCGCCAAAGGCGGC
TTTCAACCCTGGAAGCGCTCCTCGTCCAGCTGCAACCTCGGCTCCAGCCTCTCGGGCTTCGCGGTGGCC
ACCGGGGGCGCTGGCTCGGGCGGCTGGCGGGCGGCTCGGGCGCCGCAACAGCGCCTTCTGCTGGCC
TCCACGTCGCCCACGTCGTCGCTTCAGCAGCGACTACGGCGGCTCTTCTCCAACGCGCGGCTGCC
GCGGGCGGAGCGCGCGGGGTGTCCCGCAGGAGCGGGTGGCCAGTCGGCCTTCATTTCAAGGTGCAC
ACGACGGCAGCCGACGGGCTGTACCCGCGCGTGGGCGTGGCGACCCGTCAGAGTCCTGGTACAAGTCG
GGCTTCCATTGACGCTGGCGGCGGCGAGGTGACCAACGGCGCGGCGTCGTCGTTGGGACGTGCAC
AGCAGCCCGGGCTCGTGGCTGGAAGTGCAGAACCCCGCTGGGGGGCTCCAGAGTCGCTGCACTCGGGC
GCCCCCAGGCCCTCGCTGCACTCGCAGCTGGGCACCTACAACCCGACTTCAGCTCGCTCACGCACTCC
GCCTTCAGCTCCACGGGCTCGGCTCCTCGCCGCGCGGCTCCACCTGCTCTCCACAGCCAGCAC
CTGCTGGCCAGGACGGCTTCAAGCCGGTGTTCGCTCTATTGGAAGTCCAGCGCGCGGCTGGCAGCC
GCCGCCGCGAGCGCCATGATATCGGGCGCGCGGCTGCCGCCGCGGGGGAGCTCGGCACGCTCTGCC
CGCCGCTACTCGGGCGCGCCACCTGCGACTGCCCAACTGCCAGGAGCGGAGCGGCTGGGCCCGGCC
GGGGCGAGCCTGCGGCGCAAGGGCTGCACAGCTGCCACATTCCGGGTGCGGCAAGGTGTACGGGAAG
ACGTGCGACCTGAAGGCGCACCTGCGCTGGCACACGGGCGAGCGGCCCTTCGTGTCAACTGGCTCTTC
TTCGCTGTCCGGTGTGCAACAAGCGCTTCATGCGCAGCGACACCTGAGCAAACACATTAAGACGCAC
AACGGGGGCGGCGGGGGCAAAAAGGGCAGCGACGTGACACGGACGCCAGCAACCTGGAGACGCCCCGT
TCCGAATCCCCGACCTCATCTGCATGACTCCGGCGTCAGTGCCGCCGGGGCGGCGGCGAGCGGGCGG
GCGGCAGCGGCGGCGGCGGCGGCGGCTCCGCGGAGGCAAGGAAGCAGCTCTGGCCCCAACGAC
TCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001145250

Insert Size: 1455 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:	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_001145250.1</u>
RefSeq Size:	1455 bp
RefSeq ORF:	1455 bp
Locus ID:	100131390
UniProt ID:	<u>P0CG40</u>
Cytogenetics:	2q31.1
MW:	48.9 kDa
Gene Summary:	Transcription factor which plays a key role in limb development. Positively regulates FGF8 expression in the apical ectodermal ridge (AER) and contributes to limb outgrowth in embryos (By similarity).[UniProtKB/Swiss-Prot Function]