

Product datasheet for **RC227808**

Transcription Factor SP9 (SP9) (NM_001145250) Human Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RC227808 representing NM_001145250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACGTCTATACTCGGGGAAGAGCCGCGCTTCGGAACGACCCCGTTGGCCATGCTGGCGGCGACCT
 GCAACAAGATCGGCAACACGAGCCCGCTGACGACGCTGCCAGAGTCGAGCGCCTTCGCCAAAGCGGCTT
 TCAACCCCTGGAAGCGCTCCTCGTCCAGCTGCAACCTCGGCTCCAGCCTCTCGGGTTCGCGGTGGCCACC
 GGGGGCGGTGGCTCGGGCGGCTGGCGGGCGGCTCGGGCGCCGCAACAGCGCCTTCTGCCTGGCCTCCA
 CGTCGCCACGTCGTCGCCCTTACGACGACTACGGCGGCTTCTTCCAACCTCGGCGGCTGCCGCGGC
 GGCAGCGGCCGGGTGTCCCGCAGGAGGCGGGTGGCCAGTCGGCCTTCAATTTCCAAGGTGCACACGACG
 GCAGCCGACGGGTGTACCCGCGCTGGGCATGGCGCACCCGTACGAGTCTGGTACAAGTCGGGCTTCC
 ATTCGACGCTGGCGGCCGCGAGGTGACCAACGGCGCGGCTCGTCGTTGGGACGTGCACAGCAGCCC
 GGGCTCGTGGCTGGAAGTGCAGAACCCCGCTGGGGGGCTCCAGAGCTCGTGCACCTCGGGCGCCCCAG
 GCCTCGCTGCACTCGCAGCTGGGCACCTACAACCCCGACTTCAGCTCGCTCACGACTCCGCCTTACGT
 CCACGGGCTCGGCTCCTCCGCCGCCGCGCTCCACCTGCTCTCCACCAGCCAGCACCTGCTGGCCCA
 GGACGGCTTAAGCCGGTGTTCCTTATTCGACTCCAGCGCCGCGTGGCAGCCGCCCGCCGAGC
 GCCATGATATCGGGCGCCGCGGCTGCCGCCCGGGGGAGCTCGGCACGCTCTGCCCGCGCTACTCGG
 GCCGCGCACCTGCGACTGCCCAACTGCCAGGAGGCGGAGCGGCTGGGCCCGCCGGGGCGAGCCTGCG
 GCGCAAGGGCTGCACAGCTGCCACATTCGGGCTGCGCAAGGTGTACGGGAAGACGTGCACTGAAG
 GCGCACCTGCGCTGGCACACGGGCGAGCGGCCCTTCGTGTGCAACTGGCTTCTGCGCAAGCGCTTCA
 CGCGCTCGGACGAGCTGCAGCGCATCTGCGACTCACACGGGCGAGAAGCGCTTCGCTGTCCGGTGTG
 CAACAAGCGCTTTCATGCGCAGCGACACCTGAGCAAAACACATTAAGACGCAACAACGGGGCGCGGGGC
 AAAAAGGCGACGACGTGACACGGACGCCAGCAACCTGGAGACGCCCGTTCCGAATCCCCGACCTCA
 TCCTGCATGACTCCGGCTCAGTGCCGCCCGGGCGGCGGAGCGGCGGCGGCGGAGCGGCGGCGGCGG
 GGCGGCGGCTCCGCGGGAGCAAGGAAGCAGCGTCTGGCCCAACGACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227808 representing NM_001145250
 Red=Cloning site Green=Tags(s)

MATSI LGEEPRFGTTPLAMLAATCNKIGNTSPLTTLPESSAFKGGFHPWKRSSSSCNLGSLSGFAVAT
 GGRGSGLAGGSGAANSFAFLASTSPTSSAFSSDYGGLFSNSAAAAAAAAAGVSPQEAGGQSAFISKVHTT
 AADGLYPRVGMHPYESWYKSGFHSTLAAGEVTNGAASSWVDVHSSPGSWLEVQNPAGGLQSSLHSGAPQ
 ASLHSQLGTYNPDFSSLTHSAFSSSTGLGSSAAAASHLLSTSQHLLAQDGFKPVLPYSYDSSAAVAAAAAS
 AMISGAAAAAAGSSARSARRYSGRATCDPCNQEAEERLGPAGASLRKGLHSCHIPGCGKVVYKTSHLK
 AHLRWHTGERPFVCNWLFCGKRFTRSDQLRHLRHTHTGEKRFACPCNKRFMRSDHLKHKIKTHNGGGG
 KKGSDSDTDAANLETPRSESPDLILHDSGVSAARAAAAAAAAAAAAAAAAASAGGKEAASGPNDS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8037_d10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001145250

ORF Size: 1452 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001145250.2](#)

RefSeq ORF: 1455 bp

Locus ID: 100131390

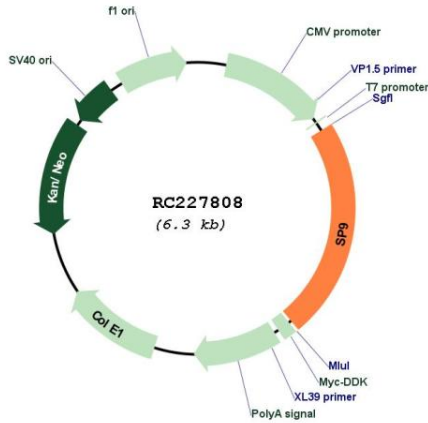
UniProt ID: [P0CG40](#)

Cytogenetics: 2q31.1

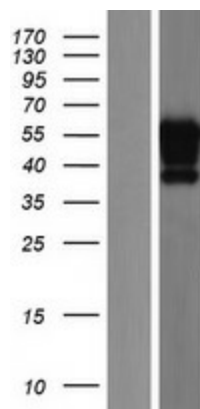
MW: 48.7 kDa

Gene Summary:

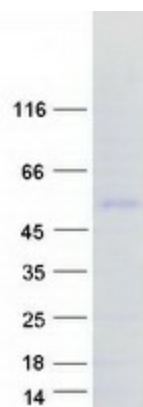
Transcription factor which plays a key role in limb development. Positively regulates FGF8 expression in the apical ectodermal ridge (AER) and contributes to limb outgrowth in embryos (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC227808



Western blot validation of overexpression lysate (Cat# [LY428761]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227808 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SP9 protein (Cat# [TP327808]). The protein was produced from HEK293T cells transfected with SP9 cDNA clone (Cat# RC227808) using MegaTran 2.0 (Cat# [TT210002]).