

Product datasheet for **RG227808**

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:	TurboGFP
Symbol:	Transcription Factor SP9
Synonyms:	ZNF990
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG227808 representing NM_001145250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCACGTCTATACTCGGGGAAGAGCCGCGCTTCGGAACGACCCCGTTGGCCATGCTGGCGGCGACCT
 GCAACAAGATCGCAACACGAGCCCGCTGACGACGCTGCCAGAGTCGAGCGCCTTCGCCAAAGGCGGCTT
 TACCCCTGGAAGCGCTCCTCGTCCAGCTGCAACCTCGGCTCCAGCCTCTCGGGTTCGCGGTGGCCACC
 GGGGGCGGTGGCTCGGGCGGCTGGCGGGCGGCTCGGGCGCCGCCAACAGCGCCTTCTGCCTGGCCTCCA
 CGTCGCCCACGTCTCGCCTTCAGCAGCGACTACGGCGGCTCTTCTCCAACCTCGGCGGCTGCCGCGGC
 GGCAGCGGCCGGGTGTCCCGCAGGAGCGGGTGGCCAGTCGGCCTTCATTTCCAAGGTGCACACGACG
 GCAGCCGACGGGTGTACCCGCGCTGGCATGGCGCACCCGTACGAGTCTGGTACAAGTCGGGCTTCC
 ATTCGACGCTGGCGGCCGCGAGGTGACCAACGCGCGGCGTCTGCTGGTGGGACGTGCACAGCAGCCC
 GGGCTCGTGGCTGGAAGTGCAGAACCCCGCTGGGGGGTCCAGAGCTCGCTGCACTCGGGCGCCCCCAG
 GCCTCGCTGCACTCGCAGCTGGGCACCTACAACCCCGACTTCAGCTCGCTCACGCACTCCGCCTTACGT
 CCACGGGCTCGGCTCCTCCGCCCGCGCGCTCCACCTGCTCTCCACCAGCCAGCACCTGCTGGCCCA
 GGACGGCTTCAAGCCGGTGTTCGCTCCTATTCGGAATCCAGCGCCGCGGTGGCAGCCGCGCGGCCAGC
 GCCATGATATCGGGCGCCGCGGTGCGCCGCGCGGGGGAGCTCGGCACGCTCTGCCCGCGCTACTCGG
 GCCGCGCCACCTGCGACTGCCCAACTGCCAGGAGCGGAGCGGCTGGGCGCGCCGGGGCGAGCCTGCG
 GCGCAAGGGCTGCACAGCTGCCACATTCGGGCTGCGGCAAGGTGTACGGGAAGACGTGCGACCTGAAG
 GCGCACCTGCGCTGGCACAGGGCGAGCGGCCCTTCGTGTGCACTGGCTCTTCTGCGGCAAGCGCTTCA
 CGCGCTCGGACGAGCTGCAGCGGCATCTGCGGACTCACACGGGCGAGAAGCGCTTCGCCTGTCCGGTGTG
 CAACAAGCGCTTCATGCGCAGCGACCACTGAGCAAACACATTAAGACGCAACAACGGGGCGCGCGGGGC
 AAAAAGGGCAGCGACGTGACACGGACGCCAGCAACCTGGAGACGCCCGTTCCGAATCCCCGACCTCA
 TCCTGCATGACTCCGGCGTCAGTGCCGCCCGGGCGGCGGAGCGGCGGCGGCGGAGCGGCGGCGCGGC
 GGCGGGCGCTCCGCGGGAGGCAAGGAAGCAGCGTCTGGCCCCAACGACTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG227808 representing NM_001145250
 Red=Cloning site Green=Tags(s)

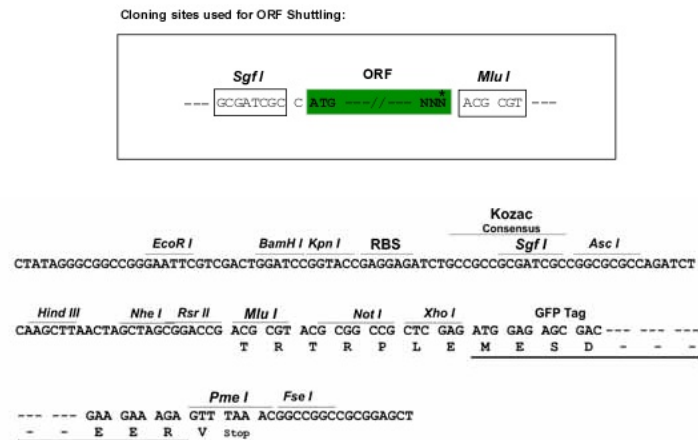
MATSI LGEEPRFGTTPLAMLAATCNKIGNTSPLTTLPESSAFKGGFHPWKRSSSSCNLGSSLGFAVAT
 GGRGSGGLAGGSGAANSFAFLASTSPTSSAFSSDYGGLFSNSAAAAAAGVSPQEAGGQSAFISKVHTT
 AADGLYPRVGMHPYESWYKSGFHSTLAAGEVTNGAASSWWDVHSSPGSWLEVQNPAGGLQSSLHSGAPQ
 ASLHSQLGTYNPDFSSLTHSAFSSSTGLGSSAAAASHLLSTSQHLLAQDGFKPVLPYSYSDSSA AVAAAAAS
 AMISGAAAAAAGSSARSARRYSGRATCDPCNCQEAERLGPAGASLRRKGLHSCHIPGCGKVYKTSHLK
 AHLRWHTGERPFVCNWLFCGKRFRTRSDQLRHLRTHTGEKRFACPVCKRFRMSDHL SKHIKTHNGGGG
 KKGSDSDTDASNLETPRSESPDLILHDSGVSAARAAAAAASAGGKEAASGPND

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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 Size: 1455 bp

RefSeq ORF: 1455 bp

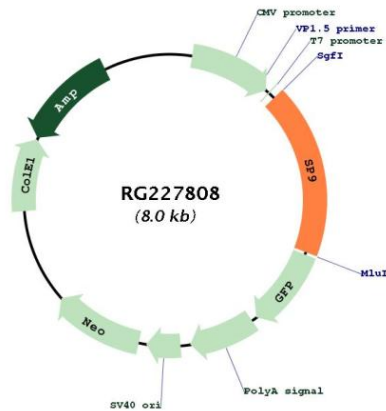
Locus ID: 100131390

UniProt ID: [P0CG40](#)

Cytogenetics: 2q31.1

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 RG227808