

Product datasheet for **RG233918**

SP6 (NM_001258248) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP6 (NM_001258248) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SP6
Synonyms:	EPFN; EPIPROFIN; KLF14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233918 representing NM_001258248 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAACCGCTGTCTGCGGCTCTCTGGGCAGCCAGCACAGGAAGCGCCGACGCCTCCCCGCCGCGCC
TCGACCTGCAGCCTCTCCAACTTACCAGGGCCACAGAGCCCTGAGGCCGGGACTACCCCTCCCCGCT
GCAGCTGGAGAGCTGCAGAGCCTCCCGCTGGGCCGGAGGTGGACTTCTCGCAGGGCTATGAGCTGCCA
GGGGCCTCCTCGCGGGTAACCTGCGAGGACCTGAAAAGCGACAGTCCCTTGGCCCCGGGCCCTTTTCCA
AGCTCCTGCAGCCGACATGTACACCATTATGAATCGTGGTTTCAGGCCGACTCACCCAGGCGGGAGGA
TGCTCGTGGTGGACCTTCATCCGGGCACCAGCTGGATGGACCTCCCCACACTCAGGGCGCGCTGACC
TCACCTGGCCACCCGGGGCGCTTCAGGCGGGCTTGGGGGCTACGTTCGAGACCACAGCTTTGTGCC
CGCCACCCACCCGCATGCGCACCACTCCTTCCAGCTGCCGGAGGGCAGCATCTCTAGGGCCGCCGA
CGGGGCTAAGGCCTTGAAGTAGCCGCCCGGAGTCTCAAGGGCTGGATTCCAGCCTGGACGGGGCGGGC
CGTCCCAAAGGCTCCCGGCGTCCGTGCCCCGAGCTCAGGCCAGACGCTGTGCTGCCCCAACTGTCT
TGGAGGCGGAGCGACTGGGGCTCCATGTGGGCCCGATGGGGCAAGAAGAAGCATTTGCACAACGCCA
CATCCCGGGCTGCGGAAAGCCTACGCCAAGACGTCGCACCTGAAGGCGCACCTGCGCTGGCACAGCGGC
GACCGTCCCTTCGTGTGCAACTGGCTCTTCTCGGCAAGCGCTTACGCGCTCGGACGAGTGCAGCGCC
ACCTCCAGACCCACCCGGCACCAAGAAGTCCCTGTGCACTGCAGCCGCGTCTTCATGCGCAGCGA
CCACCTGGCCAAGCACATGAAAACCCACAGGGCGCAAGGAGGAGGCGGCTGGGGCGGCTCGGGAGAG
GGCAAGGCCGGCGGCGCAGTGGAGCCCCCGGGGCAAGGCAAACGCGAGGCCGAGGGCAGCGTGGCTC
CCTCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG233918 representing NM_001258248
 Red=Cloning site Green=Tags(s)

MLTAVCGSLGSQHT EAPHASPPRLDLQPLQTYQGHTSPEAGDYPSLQPGELQSLPLGPEVDFSQGYELP
 GASSRVT CEDLESDSPLAPGPF SKLLQPDMSHHYESWFRPTHGAEDGSWWDLHPGTSWMDL PHTQGALT
 SPGHPGALQAGLGGYVGDHQLCAPPHPHAAHLLPAAGGQHLLGPPDGAKALEVAAPESQGLDSSLDGAA
 RPKGSRRSVPRSSGQTVCRCPNLEAERLGAPCGPDGGKKKHLHNCHIPGCGKAYAKTSHLKAHLRWHSG
 DRPFVCNWLFCGKRFTRSDQLQRHLQHTGTGKFFPCA VCSRVMRSDHLAKHMKTHEGAKEEAAGAASGE
 GKAGGAVEPPGGK GKREAE GSVAPSN

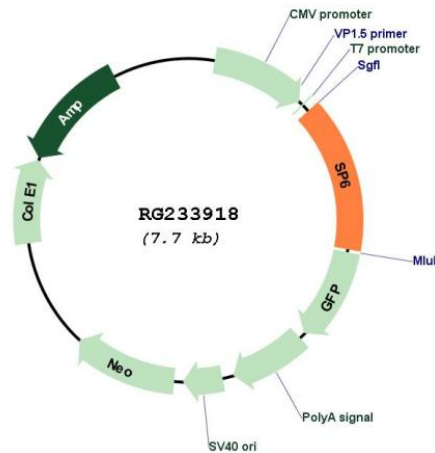
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001258248

ORF Size:	1128 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:	<ol style="list-style-type: none">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_001258248.2
RefSeq Size:	3805 bp
RefSeq ORF:	1131 bp
Locus ID:	80320
UniProt ID:	Q3SY56
Cytogenetics:	17q21.32
Protein Families:	Transcription Factors
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 (Schohy et al., 2000 [PubMed 11087666]).[supplied by OMIM, Mar 2008]