

Product datasheet for **RG204542**

STRBP (NM_018387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRBP (NM_018387) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STRBP
Synonyms:	HEL162; ILF3L; p74; SPNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG204542 representing NM_018387
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGATCTATTCGATCTTTTGGCTAATGATGATCGCCATGTTATGGTGAACATTCAACAATCTATCCAT
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TTCTGTTACCCGTTATGAAATTTCCAACATATCCTGTTCCCACTACTCATTCTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204542 representing NM_018387
 Red=Cloning site Green=Tags(s)

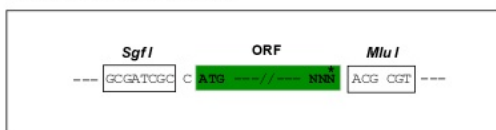
MRSIRSFANDDRHVMVKHSTIYPSPEELEAVQNMVSTVECALKHVSDWLDETNKGTKTEGETEVKKDEAG
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 QCVNEASIIIRNTKEPTL TLKVILTSPL IRDELEKKGENVSMKDPDDLDRQKCLNALASLRHAKWFQA
 RANGLKSCVIVLRILRDLCNRVPTWAPLKGWPLELICEKSI GTCNRPLGAGEALRRVMECLASGILLPGG
 PGLHDP CERDPTDALSYMTIQQKEDITHSAQHALRLSAFGQIYK VLEMDPLPSSKPFQKYSWSVTDKEGA
 GSSALKRPFEDGLGDDKDPNKKMKRNL RKILDSKAIDL MNALMRLNQIRPGLQYKLLSQSGPVHAPVFTM
 SVDVDGTTYEASGPSKKTAKLHVAVKVLQAMGYPTGFDADIECMSSDEKSDNESKNETVSSSSNTGNS
 TTETSSTLEVRTQGPILTASGKNPVMELNEKRRGLKYELISETGGSHDKRFVMEVEVDGQKFRGAGPNKK
 VAKASAALAALEKLFSGPNAANNKKKIIIPQAKGVVNTAVSAAVQAVRGRGRTL TRGAFVGATAAPGYI
 APGYGTPYGYSTAAPAYGLPKRMVLLPVMKFPTYVPVPHYSFF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac Consensus

EcoR I BamH I Kpn I RBS Sgf I Asc I

CTATAGGGCGCGGGAATTCTGCGACTGGATCCGGTACCGAGGAGATCTGCCCGCGGATCGCCGCGCGCCAGATCT

Hind III Nhe I Rsr II Mlu I Not I Xho I GFP Tag

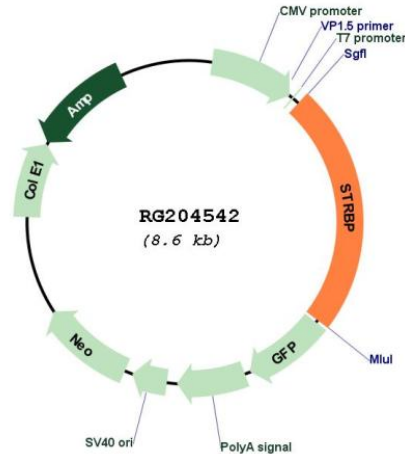
CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC - - - - -

T R T R P L E M E S D - - - - -

Pme I Fse I

- - - GAA GAA AGA GTT TAA ACGGCGGCGCGGAGCT

- - - E E R V Stop

Plasmid Map:


ACCN: NM_018387

ORF Size: 2016 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_018387.5](#)

RefSeq Size: 6426 bp

RefSeq ORF: 2019 bp

Locus ID: 55342

UniProt ID: [Q96S19](#)

Cytogenetics: 9q33.3

Domains: DSRM, DZF

Protein Families: Stem cell - Pluripotency

Gene Summary: Involved in spermatogenesis and sperm function. Plays a role in regulation of cell growth. Binds to double-stranded DNA and RNA. Binds most efficiently to poly(I:C) RNA than to poly(dI:dC) DNA. Binds also to single-stranded poly(G) RNA. Binds non-specifically to the mRNA PRM1 3' UTR and adenovirus VA RNA (By similarity).[UniProtKB/Swiss-Prot Function]