

Product datasheet for **MG209751**

Strbp (NM_009261) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Strbp (NM_009261) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Strbp
Synonyms:	6430510M02Rik; AI852513; C86322; C230082I21Rik; Spnr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG209751 representing NM_009261
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGATCTATTAGATCTTTTGCCAATGATGATCGCCATGTTATGGTGAACATTCAACAATCTATCCAT
CTCCAGAGGAACCTGAAGCTGTGCAAAATATGGTGTCTACTGTTGAATGTGCTCTTAAACATGTCTCAGA
TTGGCTGGACGAAACAAACAAAGGCACAAAACCTGAGGGGAAACAGAAGTAAAGAAAGATGAAGCTGTG
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CAATGTATAAATGAAGCATCCATTATAATTCGGAACACGAAAGAGCCAACACTGACTTTGAAGGTGATAC
TACTTCCCCTCTAATTAGGGACGAATTGGAGAAGAAGGATGGAGAAAATGTTATGATGAAAGACCTCC
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CATGGGCACCAATTGAAAGGATGGCCACTAGAGCTTATATGTGAAAAGTCTATAGGTAAGTGTAAATAGACC
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GCTCCAGGTTACGGAACCCCATATGTTACAGCACAGTCCCCCTGCATATGGTTTGCCCAAGAGAATGG
TTCTGTTACCCGTTATGAAATCCCAACATATCTGTTCCCACTACTCATTCTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209751 representing NM_009261
 Red=Cloning site Green=Tags(s)

MRSIRSFANDDRHVMVKHSTIYPSPEELEAVQNMVSTVECALKHVSDWLDETNKGTKPEGETEVKKDEAV
 ENYSKDDQGGRTLCGVMRIGLVAKGLLIKDDMDLLEVLVLMCKDKPTETLLNTVKDNLPIQIQKLTTEEKYQVE
 QCINEASIIIRNTKEPTLTLKVILTSPLIRDELEKKGGENVMMKDPDDLDRQKCLNALASLRHAKWFQA
 RANGLKSCVIVLRILRDLCNRVPTWAPLKGWPLELICEKSIIGTCNRPLGAGEALRRVMECLASGILLPGG
 PGLHDP CERDPTDALSYMTTQQKEDITHSAQHALRLSAFGQIYKVL EMDPLPSSKPFQKYSWSVTDKEGA
 GSSALKRPFEDGLGDDKDPNKKMKRNLKILDSKAIDL MNALMRLNQIRPGLQYKLLSQSGPVHAPVFTM
 SVDVDGTTYEASGPSKKTAKLHVAVKVLQAMGYPTGFDADIECISSEKSDNESKNDTVSSSSNNTGNS
 TTETSSTLEVRTQGPILTASGKNPVMELNEKRRGLKYELISETGGSHDKRFVMEVEVDGQKFRGAGPNKK
 VAKASAALAALEKLFSGPNAANNKKKKIIPQAKGVVNTAVSAAVQAVRGRGRGTLTRGAFVGATAAPGYI
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TRTRPLE - GFP Tag - V

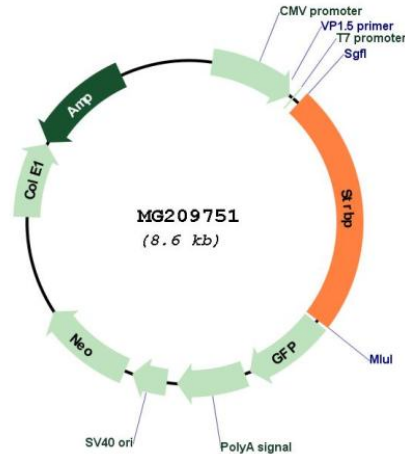
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_009261

ORF Size: 2016 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_009261.4](#)

RefSeq Size: 16348 bp

RefSeq ORF: 2019 bp

Locus ID: 20744

UniProt ID: [Q91WM1](#)

Cytogenetics: 2 B

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