

Product datasheet for **RC230402**

STRBP (NM_001171137) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRBP (NM_001171137) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STRBP
Synonyms:	HEL162; ILF3L; p74; SPNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC230402 representing NM_001171137
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGAACATTCAACAATCTATCCATCTCCGGAGGAAGCTTGAAGCTGTTTCAGAATATGGTATCTACTG
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 ACTACTCATTCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC230402 representing NM_001171137
 Red=Cloning site Green=Tags(s)

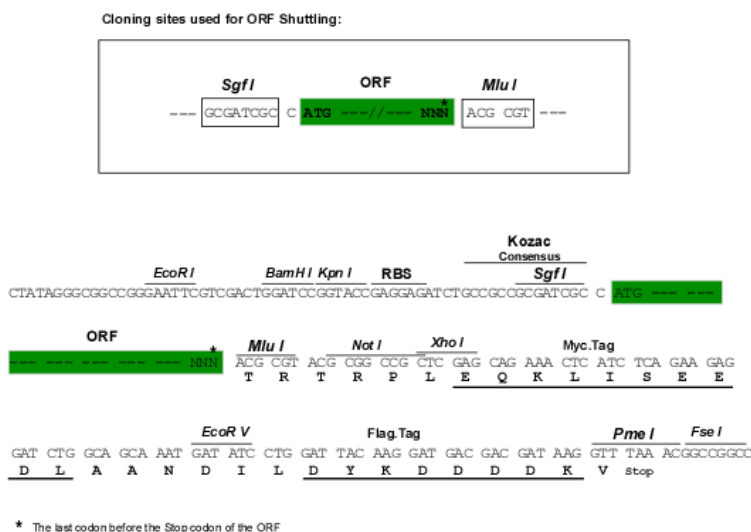
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 VMRIGL VAKGLLIKDDMDLEL VLMCKDKPTETLLNTVKDNLPIQIQKL TEEKYQVEQCVNEASIIIRNTK
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 LS YMTIQQKEDITHSAQHALRLSAFGQIYKVLMDPLPSSKPFQKYSWSVTDKEGAGSSALKRPFEDGLG
 DDKDPNKKMKNRLRKILDSKAIDL MNALMRLNQIRPGLQYKLLSQSGPVHAPVFTMSVDVDTTYEASGP
 SKKTAKLHVAVKVLQAMGYPTGFDADIECMSSDEKSDNESKNETVSSNSSNNTGNSTTETSSTLEVRTQG
 P I L T A S G K N P V M E L N E K R R G L K Y E L I S E T G G S H D K R F V M E V E V D G Q K F R G A G P N K K V A K A S A A L A E K L
 F S G P N A A N N K K K K I I P Q A K G V V N T A V S A A V Q A V R G R G R G T L T R G A F V G A T A A P G Y I A P G Y G T P Y G Y S T A A
 P A Y G L P K R M V L L P V M K F P T Y P V P H Y S F F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8103_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001171137

ORF Size: 1974 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_001171137.2](#)

RefSeq Size: 6409 bp

RefSeq ORF: 1977 bp

Locus ID: 55342

UniProt ID: [Q96S19](#)

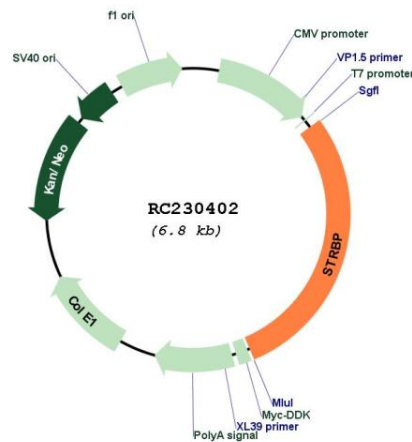
Cytogenetics: 9q33.3

Protein Families: Stem cell - Pluripotency

MW: 72 kDa

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]

Product images:



Circular map for RC230402