

Product datasheet for **RR207754**

Spns2 (NM_001144991) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Spns2 (NM_001144991) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Spns2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>RR207754 representing NM_001144991
 Red=Cloning site Blue=ORF Green=Tags(s)

GCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGCCAGATCTC
 AAGCTTAACTAGCTAGCGGACCGAC

ATGATGTGCCTGGAATGCGCCTCGCGGGCGGGCGCGGAGGAGGAGGAGCGGACGCCAACCGG
 GCGCCGCGCGCCGGGGGCGCAGCCAGGGGCTGGAGTAGCGCTTGTGCGGGGCGCGGGGTGTTGGGG
 CGCTGGAGTCGTGTCCGCGGACGAAGAGGTGCAGACGTTGTCCGCGACGCTGAGGAGGGTCCCGTCCGGA
 CTCCCAGCATCCCAGTACCCCGGGCTGCGCAGCCGCTGCCAAGGGCCCCGCGCGCCGAGCCAAAC
 CCGCCAGCTTGGGCCGAGGGCGGGGGCAGCCGCTGCCATCCTGAGCTTGGGCAACGTGCTCAACTACCT
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 CATCCCTCAGCAGTACTTCTGGTGTGGTCTGTCCCGGGGCTAGTAGGTATTGGTGAAGCTAGCTAT
 TCACCATAGCACCCACCATCATCGGCGACTTATTTACCAAGAACACACGCACACTGATGCTATCAGTCT
 TCTATTTTGCATCCCTCTGGGAGTGGCTGGGCTACATCACAGTTCCAGCGTGAAGCAGGCAGCTGG
 AGACTGGCATTGGGCCCTGCGGGTTTCCCTGTCTGGGCATGATCACAGGAACACTCATCTCATCTTG
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 GAGACATGAAGGCCCTGATCCGGAACCGCAGTTACGTCTTCTCCTCCCTGGCCACATCCGCTGTGCCTT
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 GCTTTCTGGGCGTAGTCACAGGCGCGGGAGCCACTCGCTGGTGCCGCTTGCACACTCAGCGCGCTGACCC
 CTTGGTGTGCGCCGTGGGCATGTGGGATCTGCCATCTTCATCTGCCTCATCTTTGTGGCTGCCAAGACC
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 CCTTTTGGCCTAGGACTGCCAGGACTGAGTGGCCCTATCTTCAAGAAGCTGCATCCTCAGTGAACCTAG
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 CCCTCCACAACCTTGAAGAAACAGGCCCGGGGCTGTACACAGAAGACACCCTCAGGTCTCAGGACCTCA
 GTTCCGGTTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207754 representing NM_001144991
 Red=Cloning site Green=Tags(s)

MMCLECASAAAGGAEEDAEERRRRRGAQPGAGGSACCGARGVGGAGVVSAD EEVQTL SGSVRRVPSG
 LPSIPSTPGCAAAAKGPGAPQPKPASLGRGRGAAAAILSLGNVLYLD RYTVAGVLLDIQQHFVVKDRGA
 GLLQSVFICSFMVAAPIFGYLGRDFNRKIVILSCGIFFWSAVTFSSSFI PQQYFWLLVLSRGLVIGIEASY
 STIAPTIIIGDLFTKNRTRMLSVFYFAIPLGSLGYITGSSVKQAAGDWHWALRVSPV LGMITGTLILIL
 VPATKRGHADQLGGQLKARTSWLRDMKALIRNRSYVFS SLATS AVSFATGALGMWIPLYLHRAQVQKTA
 ETCNSPPCGAKDSLIFGAITCF TGFLGVVTVGAGATRWCLRTQRADPLVCAVGM LGS AIFICLIFVAAKT
 SIVGAYICIFVGETLLFSNWAITADILMYVVIPTRRATAVALQSFTSHLLGDAGSPYLIGFISDLIRQST
 KDSPLWEFLSLGYALMLCPFVVVLGGMFFLATALFFLSDRAKAEQQADEVPAQRLRSTGSPDSMCQSRW
 AQSPLMCHPDP RPSLPQGEPAAGAACIRENLRWCRWDSNELQFRLGEVLQHPGPAGRSQSFLCDSQLGTH
 PLWPRTARTEWPYLQEAASSVNLEGCVCWHSVGHNSSPGWLGKQDRSSH PAVGIWGDSPPLAHVILR
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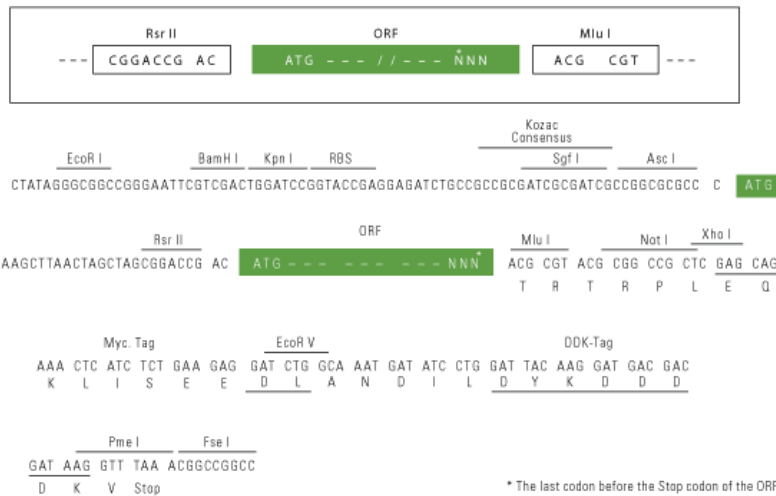
TRTRPLEQKLI SEEDLAANDILDYKDDDDK V

Restriction Sites:

RsrII-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001144991

ORF Size: 2250 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_001144991.1](#), [NP_001138463.1](#)

RefSeq Size: 3871 bp

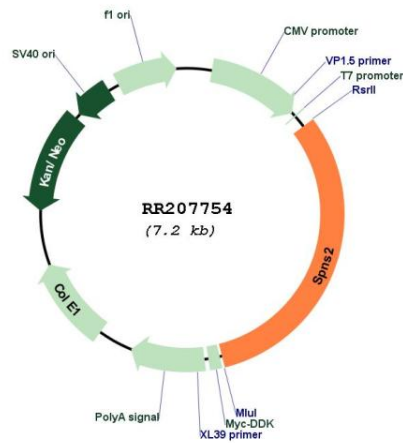
RefSeq ORF: 2253 bp

Locus ID: 100270678

Cytogenetics: 10q24

MW: 80.2 kDa

Product images:



Circular map for RR207754