

Product datasheet for **RR206219**

Fscn2 (NM_001107072) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fscn2 (NM_001107072) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fscn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR206219 representing NM_001107072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAACCAACGGCTTGCACCAGGTGCTGAAGATCCAGTTTGGCCTTGTGAACGATGCCGACCGCTACC
 TCACGGCTGAGAGCTTTGGCTTCAAGGTCAACGCTTCCGACGCCAGCCTCAAGAGGAAGCAGATATGGGT
 CCTGGAGCCTGACCCAGGGCAGGGCACTGCTGTGCTGTTTCGACAGCCACCTAGGCCGCTACCTGTCG
 GCAGAAGAAGATGGGCGCGTGGCTGTGAGATGGATCACCCGGGCGTACTGTCGCTTCTTGGTCTTGC
 CGCAGCCTGACGGGCGTGGGTGCTGCAGTCAGAGCCACAGGCCGCTTCTTTGGTGGCGTTGAGGACCG
 ACTGTCCTGCTTTGCTACGGCCATCTCCCGGCAGAGCTGTGGACCGTACACCTGGCCATCCACCCACAG
 GCTCACTTGTGAGTGTGAGCCCGCGCTACGTGCACCTGTGCCTTCCAGGAGGACGAGATGGCGGCAG
 ATGGTGACATGCCGTGGGTGTGGACGCACTGCTCACCTCATTTCCAGAGCAGGCGGTACTGCCTCAA
 GTCTTATGACAGCCGCTACCTTCAAGTGTGGCCGCTTGTCTGGGAGCCTGAAGCCATGCCTGTAC
 AACTGGAGTTCAAGGCAGGCAAGCTGGCTTCAAGGACTGTGACGGCCGATACCTGGCACCTGTGGGGC
 CTGCCGGCAGCTTAAGGCTGGCCGAAACAGAGGCCCGCAAGGATGAACCTTTCGACCTGGAGCAGAG
 TCACCCACAGGTGGTACTGGTAGCTGCCAACCCGCTACGTCTCTGTGAGGCAAGGAATCAATGTCTCA
 GCCAATCAGGATGAAGAAGTGGACCATGAGACATTCCTAATGCAAATCGACCAGGAGACAAAGAAGTGTA
 CTTTCTATTCCAGCACTGGGGCTACTGGACCTTGGTCACTCACGGGGCATTACAGGCCACAGCCACGCA
 AGTTTCTGCCAACACCATGTTTGAATAGAATGGCACGGCCGGCGGGTGGCACTTAAAGCCAGCAATGGG
 CGTTATGTGTGCATGAAGAAGAATGGCAGCTGGCTGCTATCAGTGACTTTGTGGGTGAGGACGAGTTAT
 TCATCCTCAAACATCAACCGACCCATCCTGGTGTCTCCGTGGCCTGGATGGCTTGTGTGCCACCGCCG
 AGGCTCCAACAGCTGGACACCAACCGCTCCACCTACGATGTCTCCACCTGAGCTTCCAGGATGGCGCC
 TATCAAATCAGAGGCCGTGGAGGTGGTCTGGTACACTGGGAGCCATGGAAGTGTGTGACGCGATGGTG
 ACTTGGCGGAGGATTTCTCTTCGAGTCCGAGAGCGTGGCCGTTTGGCCATCCGTGCCCTCAGTGGCAA
 GTACCTGCGTGGAGGTGCCTCAGGGCTGCTGCGTGTGACGCGGACCTGCCTACGGGGGAAGCTCTCTGG
 GAATAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206219 representing NM_001107072
 Red=Cloning site Green=Tags(s)

MPTNGLHQVLKIQFGLVNDADRYLTAESFGFKVNASASLKRKQIWWLEPDPGQGTAVLFRSSHLGRYLS
 AEEDGRVACEMDHPGRDCRFLVLPQPDGRWVLQSEPHGRFFGGVEDRLSCFATAISPAELWTVHLAIHPQ
 AHLLSVSRRRYVHLCLQEDEMAADGMPWGVDAALLTLIFQSRRYCLKSYDSRYLRSRGRLVWEPEAHACY
 TLEFKAGKLAFKDCDGRYLAPVGPAGTLKAGRNRTPGKDELFDLEQSHPVVLAANHRYVSVRQGINVS
 ANQDEELDHEFLMQIDQETKKCTFYSSSTGGYWLTVTHGGIQATATQVSANTMFEIEWHGRRVALKASNG
 RYVCMKKNQLAASDFVGEDELFILKLINRPILVLRGLDGFVCHRRGSNQLDTRNSTYDVFHLFRDGA
 YQIRGRGGGFWYTGSHGSVCSGDLAEDFLFEFRERGLAIRALS GKYL RGGASGLLRADADLPTGEALW
 EY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

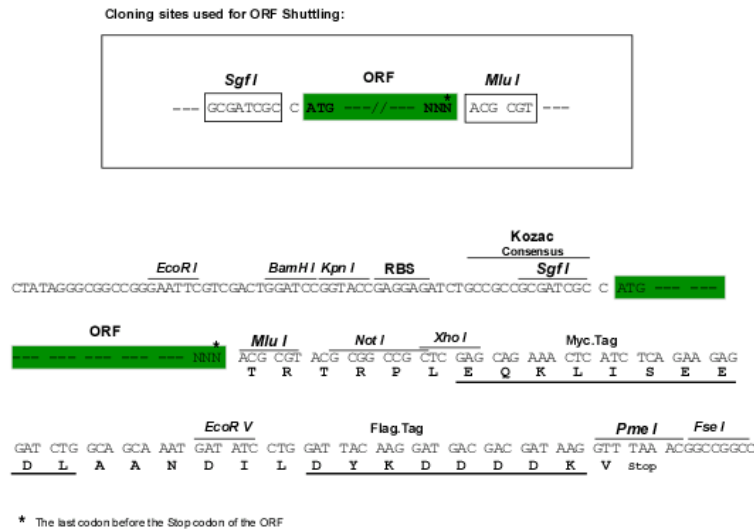
Chromatograms:

https://cdn.origene.com/chromatograms/ja2147_f06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107072

ORF Size: 1476 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.

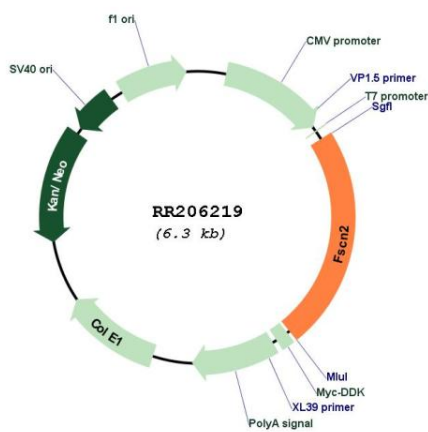
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001107072.1](#), [NP_001100542.1](#)

RefSeq Size: 1710 bp
 RefSeq ORF: 1479 bp
 Locus ID: 303741
 Cytogenetics: 10q32.3
 MW: 55.6 kDa

Product images:


Circular map for RR206219