

Product datasheet for **RR215021**

Spart (NM_001106433) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spart (NM_001106433) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spart
Synonyms:	Spg20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR215021 representing NM_001106433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAGAGGAGCAGAAAAATGGAGAGCCTCCTGAAATGAAGATCATCAAGGAGGCGTACGAGAAGGCCT
 TTATGTTTGTCAATAAAGGACTGAACACAGACGAATTAGGGCAGAAGGAAGAGGCAAAGACCTATTACAA
 GCAGGGAATAGGGCACCTGCTTAGGGGCATCAGCATCGCGGCGGCAGAGCCAGGGCACACAGGCCCTGCG
 TGGGAGGCGGCCAGACAGATGCAACAGAAAAATGAAGAAACGCTTCAGAACGTCCGCACCAAGGCTAGAGA
 TCCTGGAGAAGGGCCTCGCCACTTCTACGGAATGACCTTCAGGACGTGCCAAGTTATACCCAGAGTT
 CCCTCCTAAAGGCAGTGCAAGAAGTCCCAGAGGCCGAGTCAGCTCCCAGCATGCTGAAGTGGATGGA
 AGCGCCTCAGCTCGGGTGCTGGGCCAAGTGCCGCGCTTCCGCTCTGCCCTTACCATCGCCCGGCTGCC
 CTGCCGAAGCGCCACCGCCTACACCCACAGGCTGCCGAAGGCCACTACACTGTTTCCTACGGGACAGA
 CTCTGGGGAGTTTTCATCGGTGGGAGAAGACTTCTATAGGAACCGTTCCAGCCGCCCTCTTGAGACC
 TTGGGGCTCGATGCAGATGAGCTGATCTTGATCCCAAATGGAGTGCAGATCTTTTTGTAACCCCTGCGG
 GAGAGGTCAGTGCTCCCTCATACCTGGCTACCTGCGGATCGTGAGGTTCTTGATAATTCTCTGGATAC
 AGTTCTGAACCGCCCTCCTGGATTTCTCCAGGTGTGTGACTGGTTATACCTCTAGTTCTCTGATAGGTCA
 CCAGTTCTCAAGTGCACCGTGGGAGCATACATGTTCCAGACACCATGTTACAAGCTGCCGGTGCTTTG
 TGGGGTGTCTCTCATCTGAGCTCCCAGAAGATGACAGAGAGCTGTTTGAAGATCTGTTGAGACAGAT
 GTCTGACCTTCGGCTCCAGGCCAAGTGAATAGAGAAGAAGAAGAGGAAGAAGAAGAAGATGAA
 TTCCAAATCCCTGGGAGAGTAAAGGAATACCAAAGGAAGCGTCTGGCACTGATGTCAGGCAGTCAAGTT
 CTTCAAGTTCTTCAATAGACCAAGGCAGCAAGGATGCACGCCATAAAGGAAAGCGTGGGAAAAAGACTAA
 AGATTCTTCAAGTGAAGAAGTTAGTCTGAGACAGATGGTGCTTTGTGAGCCGAGTTCAGAAGAAAAATCG
 AGAGACCTGCCTGAATGGAGCGAGAAAGTGCCCAACAACATTCTGTCAGGTGCTTCTGGGTGAGCTGGG
 GTTTGGTCAAAGGTGCTGAATTTACTGGCAAAGCAATTCAGAAAGGTGCTTCTAACTCAGAGAGCGCAT
 TCAGCCAGAGGAAAGCCAGTGAAGTGAGTCCAGCTGTTACCAGGGCCTCTACATAGCGAAGCAGGCA
 ACTGGAGGAGCCGCAAAAGTCAGTCAGTTCTGGTTGATGGCGTCTGCACAGTAGCGAATTGTGTTGGCA
 AAGAACTCGCTCCACATGTCAAGAAGCATGGAAGCAAACCTCGTTCAGAATCTCTGAAGAGAGACAAAGA
 TGGGAAGTCTACCCTGGATGGCGCCATGGTTGTGGCAGCAAGTAGTGTTCAGGATTCTCAACTGTCTGG
 CAGGGACTGGAATGTGCAGCTAAATGCATCGTTAACAACGTGTCTGCAGAACTGTACAGACTGTCAGAT
 ACAAGTATGGGCACAACGCAGGAGAAGCTACACATAATGCGGTGGACTCGGCTATCAATGTTGGGGTCAC
 TGCTTACAATATTGACAACATCGGTATCAAAGCCATGGTGAAGAAAAGTCCCAAGCAGACAGGGCACACT
 CTCCTTGAGGACTACCAGATCATTGAGAGCCCTCAGAGGGAAAGTCAGGGAGGAGCAACGAGCACAGAAG
 GGACAAGAGATGTGGAGAGGAAGATGGAGGAAGAGAAGAAAGGGGCAAAAAGAAAGATAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215021 representing NM_001106433
 Red=Cloning site Green=Tags(s)

MERGAENGEPPEMKIIKEAYEKAFMFVNKGLNTDELGQKEEAKTYKQGIGHLLRGISIAAAEPGHTGPA
 WEAARQMQQMKETLQNVTRLEILEKLATSLRNDLQDVPKLYPEFPPKGTCKKSPEAESAPQHAEDG
 SASAAGAGPSAAPSALPLPSGPCPAEAPPAYTPQAAEGHYTVSYGTDSEFSSVGEDFYRNRSQPPPLET
 LGLDADELILIPNGVQIFFVNPAGEVSAPSYPGYLRIVRFLDNSLDTVLNRPPGFLQVCDWLYPLVPDRS
 PVLKCTVGAYMFPDMLQAAGCFVGVVLSSELPEDDRELFEDLLRQMSDLRLQANWNREEEEEEEDE
 FQIPGRVKELPKEASGTDVRQSSSSGSSIDQGSKDARHKGKRGKTKDSSSEVSLRQMVLCESSEES
 RDLPEWSEKVAHNILSGASWVSWGLVKGAFTGKAIQKGASKLRERIQPEEKPVEVSPAVTRGLYIAKQA
 TGGAAKVSQFLVDGVCTVANCVGKELAPHVKKHGSKLVPESLKRDKDGKSTLDGAMVVAASSVQGFSTVW
 QGLECAAKCIVNVSAETVQTVRYKYGHNAEATHNAVDSAINVGVTAYNIDNIGIKAMVKKTAKQTGHT
 LLEDYQIIESPQRESQGGATSTEGTRDVERKMEEEKKGAKKKDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001106433

ORF Size: 2022 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_001106433.2, NP_001099903.2

RefSeq Size: 3752 bp

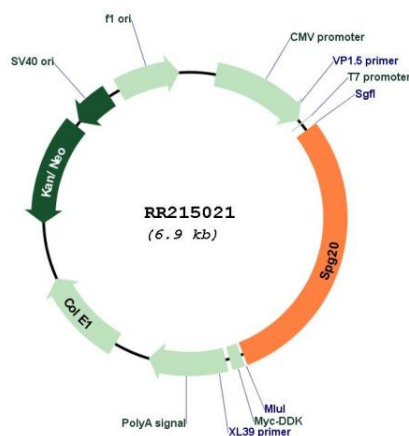
RefSeq ORF: 2025 bp

Locus ID: 295053

Cytogenetics: 2q26

MW: 73.3 kDa

Product images:



Circular map for RR215021