

Product datasheet for **RR206298**

Sharpin (NM_031153) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sharpin (NM_031153) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sharpin
Synonyms:	Conneck1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206298 representing NM_031153 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGCGCGCCGCGGGTGCAGCGGCTGCAGACCCTGCTTCACCTGTGGTGTCTCTGGCAGTGC
 AAGCCGCGGTGAGACTCTGGGCGCCGGACATGAAGACGAAGCGCAGCTGCGAAAGCTGCAGTTGAAAGC
 CGACCCTGAGCGGCTGGACGCTTCCGGCTGGGACTGTTAGGCATTGAGCCAGGGCGGTGAGTTAGAA
 TGGCCCTTGGAGTCTATTTGCTATACCATTCGTGGTCTAACCACACGAGCTGCAGCCTCCACCTGGAG
 GTCCTGGAACCTTCAGTGTGCACTTCTCAACTCTGAGGAAGCACAGCAGTGGGCAGCACTGGTGCAGAG
 TGCCACCGCAGAAAGGACAAAATGGCAATGACAGCACAGCCCCAGTCCCAACCCAGCCATGTGCCCCACT
 TCTCCACCATGTTCTTCTGTGACTCCAACACCTAAAGCAACCCAAACCAGAGATGGACCTTCTCAAGGTT
 CTGGAAACTTGAAAAAGAAGAGCTGGCTACACACCTGGCCAGGCCATTGCAGGTGGGGATGAGAAAGC
 AGCAGCCCAAGTGGCGCAATCCTGGCACAGCATCATGTGGCTCTCAATGTCCAGCTCTTAGAGGCCTGG
 TTCCCACGGGGTCCCATAGGCTGCAAGTCACAGTTGAAGATGCCACATCGGTTTTATCTCTTCGTCGT
 CTGCCCATGTCTCACTGCAGATCCACCCACACTGTTCCATTGCAGCCCTCCAGGAACAGGTGTTCTCAGA
 GTTCGGTTTCCCACAGCTGTGCAGCGCTGGGTATTGGCCGGTGCCTGTGTATGCCTGAACGAAGCCTT
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 CAGGACACAGCCCTCAACACTCCAAGATGGATAGGAAATTAGGATGCTTGTTTCTCAGTCATTGGAGCT
 GCCTCATAACCTCCAGGCATCCAGTTCAGTCTCCCAAGTCCCCCTCAGCCTGGCTGGTCTTGCCCTTCC
 TGCACCTTCATCAATGCTTCAAACCGCCCTGGCTGTGAGATGTGTAGCACCCAAAGGCCCTGTGCTTGG
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 ACAAGGATGACGACGATAAGGTTTAA

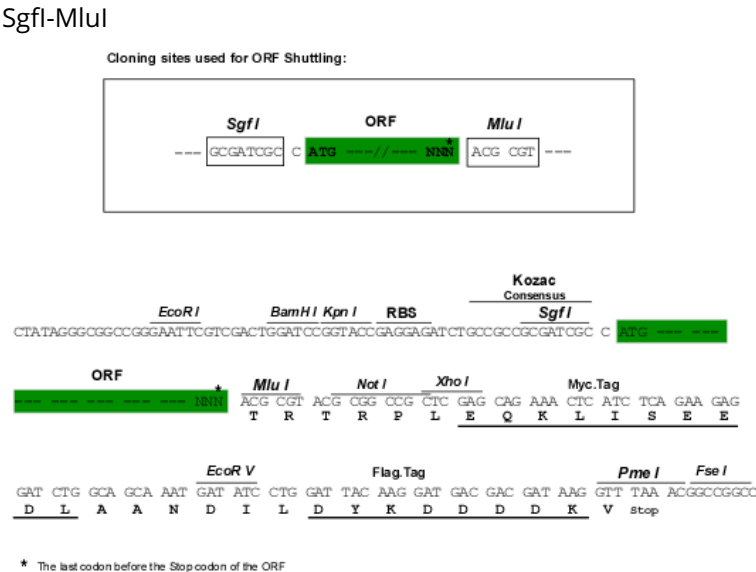

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Protein Sequence: >RR206298 representing NM_031153
 Red=Cloning site Green=Tags(s)

MSPPAGGAAAAADPASPVVLLAVQAAVRLLGAGHEDEAQLRKLQLKADPERPGRFRLGLLGIEPGAVSLE
 WPLESICYTIRGPNQHELQPPPGGPGTFSVHFLNSEEAAQQAALVRDATAEGQNGNDSTAPVTPAMCPT
 SPPCSSVTPTPKATQPEMDLPQSGNLKKEELATHLAQAIAGGDEKAAAQVAAILAQHHVALNVQLLEAW
 FPRGPIRLQVTVEDATSVLSSSSSAHVSLQIHPHCSIAALQEQVFSEFGFPPAVQRWVIGRCLCMPERSL
 ASYGVSQDGDPAFLYLLSAPREVSQHSPOHSMKMDRKLGLFPQSLELPHNLQASSSLSPSPQPGWSCPS
 CTFINASNRPGCEMCSTQRPCAWDPLTATST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
Cloning Scheme:



ACCN: NM_031153

ORF Size: 1143 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_031153.2](#), [NP_112415.1](#)

RefSeq Size: 1733 bp

RefSeq ORF: 1146 bp

Locus ID: 81859

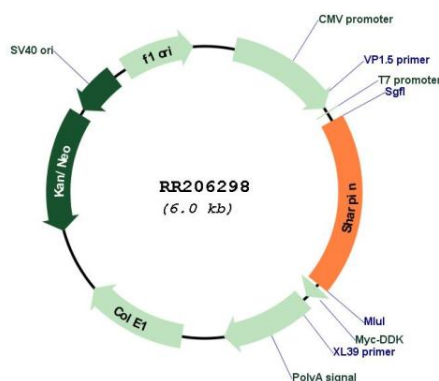
UniProt ID: [Q9EQL9](#)

Cytogenetics: 7q34

MW: 40.3 kDa

Gene Summary: directly interacts with the ankyrin repeats of Shank; may be involved in regulating the function of Shank [RGD, Feb 2006]

Product images:



Circular map for RR206298