

## Product datasheet for **RR215084**

### Slitrk4 (NM\_001106947) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slitrk4 (NM_001106947) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slitrk4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215084 representing NM\_001106947  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTTCTTTGGCTCTTTCTGATTGTGTCAGCCCTGATTTCTTCGACAAATGCAGATTCTGACATATCAG  
 TGGAAATTTGCAATGTGTGTTCCCTGCGTGTCAAGTAAAGTGTGCTCTATGTCAACTGTGAGAAGGTTTC  
 AGTCTACAGACCAAACCAGCTGAAACCCTTGGTCTAATTTTTATCATCTGAATTTCCAAAAAATTTT  
 TAAATATCCTCTACCCGAATACATTCTGTAATTTTCTCATGCAGTATCTCTGCATCTGGGAAATAATA  
 AGCTGCAGAACATTGAGGGTGGAGCATTCTCGGGCTCAGTGCATTAAGCAGTTGCACTTGAACAACAA  
 TGAATTAAGATTCTCCGAGCTGACACTTTCTTGGCATAGAGAAGTGGAGTATCTCCAGGCTGACTAC  
 AATTTAATCAAGTATATTGAACGAGGAGCCTTCAATAAGCTCCACAACTGAAAGTTCTCATTCTTAATG  
 ACAATCTGATTTCTTCTTCTGATAATTTTTCGATTGCGATCTTTAACCCATCTGGATATACGAGG  
 AAACAGAATCCAGAACTTCCCTATATTGGAGTGTAGAACACATTGGCCGGGTTGTTGAGTTGCAGCTG  
 GAAGATAATCCTTGGAACTGTAGCTGTGATTTGTGCCTCTAAAGGCTTGGTTGGAGAATATGCCATATA  
 ACATTTACATAGGGGAAGCTATTTGTGAACTCCCAGTGACTTATATGGGAGGCTTTTAAAGGAAACCAA  
 CAAACAAGAACTATGCCCATGGGCACAGGGAGTGACTTTGACGTGCGCATTCTGCCTCCATCTCAACTG  
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 CAAAAACAACAAATCCTTCCAAATCTCTGGAATTGTGGCAGGCAAAAGCCTCTCCAACGAGAAATCTCAG  
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 CATCCTTCTGATTTGGGGTTAAGTGTGAATTGCCAAGAGAAAAATACAGTCCATGTGAATTGACCC  
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 CACTGAGTTTGAAGGACTGGATTTGCTCCATTTAGGCAGCAATCAGATTACAGCAATCAAAGGAGAAGTA  
 TTCACAATCTTACTAATCTACGAGGCTTTATCTCAATGGCAATCAGATCGAAAGGCTGTACCCTGAAA  
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 CACCTTTGACTCCCTGCCAATTTGCAGCTACTGTACTTGAACAACAATCTTTAAAGAGCCTGCCAGTT  
 TACATCTTTCCGGAGCACCTCTTGTAGACTGAACTGAGAAACAACAATTCATGTACCTACCTGTCA  
 GCGGAGTCTTGATCAGTTGCAGTCTTACACAAATTGACTTGGAGGGCAACCTTGGGATTGCACCTG  
 TGACTTGGTAGCATTAAAGTTGTGGCTGGAGAAGTTAAATGATGGGATTGTTGTGAAAGAAGTAAATGT  
 GAAACTCTGTTCAGTTTCCAACATTGAATTGAAGTCCCTCAAAATGAAATCTTATGCCTAAACTCT  
 TAAACAAGCCATCTGCACCATTCACAAGCCTGCGCCTGCAATTACATTAAACACTCCGTTGGGTCTCTAT  
 TCGAAGTCTCTGCGGGGCCAGTGCCTCTGTCTATTTAATTTAAGTATCCTGGTGGTCTCATTTTA  
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 CTGCTGACAAGGACAAAGATTTACTGCATGTGGATACCAGGAAGAGACTGAGCACAATTGATGAGCTGGA  
 CGAACTATCCCTAGCAGAGATCCAATGTGTTTATTGAGAAATTTCTGGAAAGCAAAAAGGAATAAACA  
 AGCATTGGTGTGAGTGGCTTTGAGATTCGCTATCCTGAAAAACAAGATAAGAAAAACAAGAAGTCACTGA  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215084 representing NM\_001106947  
 Red=Cloning site Green=Tags(s)

MFLWFLIIVSALISSTNADSDISVEICNVCSVSVENVLYVNCVKSVYRPNQLKPPWSNFYHLNFQNNF  
 LNILYPNTFVNF SHAVSLHLGNNKLQNIIEGGAFGLSALKQLHLNNEKILRADTFLGIENLEYLQADY  
 NLIKYIERGAFNKLHKLKVLILNDNLISFLPDNIFRFASLTHLDIRGNRIQKLPYIGVLEHIGRVVQL  
 EDNPWNCSDLLPLKAWLENMPYNIYIGEAICETPSDL YGRLLKETNKQELCPMGTGSDFDVRIILPPSQL  
 ENGFTTPNGHTTQTTLHRLVTKPPKTTNPSKISGIVAGKALSNRNL SQIVSYQTRVPLTPCPAPCFCKT  
 HPSDLGLSVNCQEKNIQSMESETPKPLNAKKLHVNGNNIKDVIDISDFTEFEGLDLLHLGSNQITAIKGEV  
 FHNLTLNRLYLNGNQIERLYPEIFSGLHNLQYLYLEYNLIKEILAGTFDSL PNLQLLYLNNNLLKSLPV  
 YIFSGAPLARLNL RNNKFMYPVSGVLDQLQSLTQIDLEGNPWDCTCDL VALKLWLEKLDNGIIVKELKC  
 ETPVQFANIELKSLKNEILCPKLLNKPSAPFTSPAPAITLTTPLGPIRSPPGPVPLSILILSILVVLIL  
 TVFVAFCLLVFVLRNKKPTVKHEGLGNPECGSMQLQLRKHDHKTNNKDGLSTEA FIPQTIEQMSKSHTC  
 GLKESETGMFSDPPGQKVMMSAADKDKDLLHVDTRKRLSTIDELDELFP SRDSNVFIQNFLSKKEYN  
 SIGVSGFEIRYPEKQDKKNKSLIGGNHSHKIVVEQRKSEYFELKAKLQSSPDYLVLEEQTALNKI

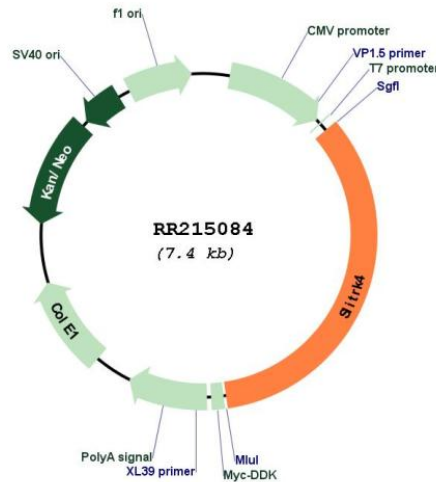
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001106947

**ORF Size:** 2508 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\\_001106947.1](#), [NP\\_001100417.1](#)

**RefSeq Size:** 3964 bp

**RefSeq ORF:** 2511 bp

**Locus ID:** 302473

**Cytogenetics:** Xq36

**MW:** 94.3 kDa