

Product datasheet for **RR208270**

Slitrk2 (NM_001107587) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slitrk2 (NM_001107587) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slitrk2
Synonyms:	RGD1561361
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR208270 representing NM_001107587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAGCGGCTCTGTTTCCTCAGTGTGTTACAGTGGCCGGGATCTTACAGATCGAGAGTCGAAAA
 CTGCCAAAGACATTTGCAAGATCCGCTGTTTGTGCGAAGAGAAGGAAAACGTAACATTAACCTGTGA
 AAACAAAGGATTTACAACGTGTCAGTTTGTTCACCCCCAGTATCGCATCTATCAGCTGTTTCTGAAC
 GAAACCTCTTGACCAGACTGTATCCAATGAGTTGTTAATTACTCAAATGCGGTGACTCTACATCTAG
 GTAACAATGGGTTGCAGGAGATCCGACCTGGGGCATTAGCGGTCTGAAAACCTCAAGAGACTGCACCT
 CAACAACAACAACTGGAGGATTGCGAGAGGACACTTTTCTAGGCCTAGAGAGTCTGGAGTACCTCAA
 GCTGACTACAATTACATCAGCACCATCGAGGCAGGGCATTAGCAAACCTGAATAAGCTCAAAGTACTCA
 TCTTGAATGACAACCTTTTGTGTCTCTGCCTAGTAATGTATTTTCGGTTCGTCTGCTGACTCATTTAGA
 CCTGAGGGGAAACAGGTTGAAAGTAATGCCTTTTGTGTTGTCCTTGAACATATTGGAGGAATCATGGAA
 ATTCAGCTGGAAGAAAACCCATGGAATTGCACCTGTGACTTACTTCTCTCAAGGCATGGCTGGACACCA
 TTAAGTGTGTTTGTAGGGGAGATTGTCTGTGAAACTCCTTTTCAGGTTACATGGGAAAGATGTGACCCAGT
 GACCAGACAAGACCTCTGTCCCAGAAAAAGTGAAGTGGTATTCTAGTCAGAGGAGCAGCCATTGAGAC
 ACACATGTCCAAAGGCTGTCCCCTACAATGAATCCTGCTCTCAACCAACCCAGGGCTCCAAAAGCCAGCC
 GGCCACCCAAAATGAGAAATCGTCCAACCTCCCGAGTACTGTGTCAAAGACCCGAGAGCTTTGGCC
 AATCATGGTGTACCAGACCAAGTCCCGGTGGCCCTCACCTGTCCAGCAGCTGTGTCTGTACCTCTCAG
 AGCTCAGACAATGGTCTAAATGTTAACTGCAAGAAAGGAAGTCACTAACATCTCTGACCTACAGCCCA
 AACCTACCAGTCCAAAGAACTACCTGACAGGGAATCTCCTCAAACAGTCTATAAGAAATGACCTTT
 AGAATACACTTCACTGGATTTGTTGCATTTAGGAAACAACAGGATTGCAGTCATCCAAGAAGGTGCCTTT
 ACAAACTGACCAGTTTACGAAGACTTTATCTAAATGGCAATTACCTTGAAGTGTGTATCCTTCTATGT
 TTGATGGACTGCAGAGCTTGCAGTATCTCTATTTAGAGTATAATGTCATTAAGGAAATTAAGCCTCTGAC
 CTTTGTGCTTTGATTAACCTCCAGCTCTGTTTCTGAATAACAACCTGTGAGGTCCTTACCTGATAAT
 ATATTTGGGGGCACAGCCCTCACCAGGCTGAATCTGAGGAACAATCATTTTTCTCACCTGCCTGTGAAAG
 GGGTCTGGACCAGCTTCTGCTTTTATCCAGATAGATCTGCAAGAGAACCCATGGGACTGCACCTGTGA
 CATCATGGGCTTAAGGACTGGACCGAACATGCCAATTCTCCTGTATCATCAATGAGGTGACTTGTGAA
 TCTCCCGTAAGCATGCAGGGGAGATACTGAAATTCCTGGGAAGGGAGGCTATTTGCCAGATAATCCTA
 ACCTGTCAGATGGGACTGTTTTATCAATGAATCACAACACAGACACACCTAGATCACTTAGTGTGTCTCC
 TAGTTCTTACCCGAACTACACACTGAAGTTCCTCTCCGTCTTAATTTTAGGATTGCTTGTGGTTTTT
 ATCCTGTCTGTCTGTTTTGGGGCGGGTGTTCGTCTTTGTCCTGAAGCGTCGAAAGGGAGTGCCAAAGT
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 GGCCACACCAAAAGAGCCTGAGCTGTGTATCAGAATATCGCTGAGCGAGCTAAGGAACTCCCAAGTGA
 GGCTAGTCCACTATAACTTTTGTACCTTACCTAAAAGGCAAGTTGCCCCCTCATATGAATCTCGACGCC
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 ACTGCAATCAGTCAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208270 representing NM_001107587
Red=Cloning site Green=Tags(s)

MLSGVWFLSVFTVAGILQIESRKTAKDICKIRCLCEEKENVLNINCENKGFTTVSLQPPQYRIYQLFLN
GNLLTRLYPNEFVNYSNAVTLHLGNGLQEIRPGAFSGLKTLKRLHLNNNKLEVLREDTFLGLESLEYLQ
ADYNYISTIEAGAFSKLNKLVILNDNLLLSPSNVFRFVLLTHLDRGNRLKVMPPFAGVLEHIGGIME
IQLEENPWNCTCDLLPLKAWLDTITVFVGEIVCETPFRLHGKDVTQLTRQDLCPRKSASGDSSQRSSHSD
THVQRLSPTMNPALNPTRAPKASRPPKMRNRPTPRVTVSKDRQSFGPIMVYQTKSPVALTCPSSCVCTSQ
SSDNGLNVNCQERKFTNISDLQPKPTSPKKLYLTGNYLQTVYKNDLLEYTSLDLLHLGNNRIAVIQEGAF
TNLTSRRLYLNGNYLEVLYPSMFDGLQSLQYLLEYNVIKEIKPLTFDALINLQLLFLNNLLRSLPDN
IFGGTALTRLNLRNNHFSHLPVKGVLDQLPAFIQIDLQENPWDCTCDIMGLKDWTEHANSPIINEVTCE
SPAKHAGEILKFLGREAI CPDNPNLSDGTVLSMNHNTDTPRSLSVSPSSYPELHTEVPLSVLILGLLVVF
ILSVCFGAGL FVFVLKRRKGVPSVPRSATNLDVSSFQLQYGSYNTETNDKTDGHVYNYIPPPVGMQCNP
IYMQKEGDPVAYYRNLQDFSYGNLEEKKEEPATLAYTISATELLEKQATPKEPELLYQNI AERAKELPSA
GLVHYNFCTLPKRQFAPSYESRRQNQDRINKTVLYGTPRKCFVQGSKPDHPLLQAKPQSEPDYLEVLEKQ
TAISQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

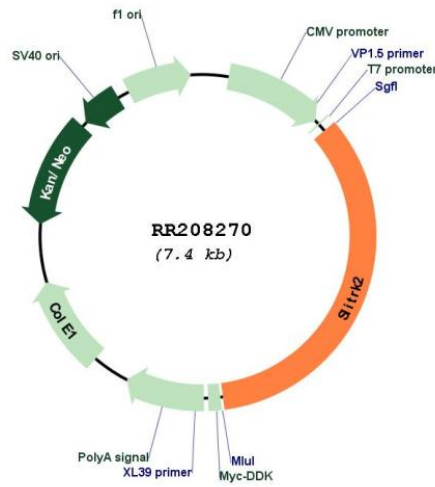
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001107587
ORF Size:	2538 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:	<ol style="list-style-type: none">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_001107587.1 , NP_001101057.1
RefSeq Size:	2947 bp
RefSeq ORF:	2541 bp
Locus ID:	309349
Cytogenetics:	Xq37
MW:	95.4 kDa