

Product datasheet for **RC227467**

SLITRK2 (NM_001144006) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLITRK2 (NM_001144006) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLITRK2
Synonyms:	CXorf1; CXorf2; SLITL1; TMEM257
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227467 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

RCATGCTGAGCGCGTGGTTGTTCTCAGTGTGTTAACCGTGGCCGGGATCTTACAGACAGAGAGTGC
 AACTGCCAAAGACATTTGCAAGATCCGCTGTCTGTGCGAAGAAAAGGAAAACGTAATCAACTGT
 GAGAACAAAGGATTTACAACAGTTAGCCTGCTCCAGCCCCCAGTATCGAATCTATCAGCTTTTCTCA
 ATGAAACCTCTTGACAAGACTGTATCCAAACGAATTTGTCAATTAATCCAAACGCGGTGACTCTTCACT
 AGGTAACAACGGGTTACAGGAGATCCGAACGGGGCATTGAGTGGCCTGAAAACCTCAAAAAGACTGCAT
 CTCAACAACAACAAGCTTGAGATATTGAGGGAGGACACCTTCTAGGCCTGGAGAGCCTGGAGTATCTCC
 AGGCCGACTACAATTACATCAGTGCCATCGAGGCTGGGGCATTGAGCAAACTTAAACAGCTCAAAGTGT
 CATCTGAAATGACAACCTTCTGCTTTCAGTCCAGCAATGTGTTCCGCTTTGCTCCTGCTGACCCACTTA
 GACCTCAGGGGAATAGGCTAAAAGTAATGCCTTTTGTGGCGTCTTGAACATATTGGAGGGATCATGG
 AGATTCAGCTGGAGGAAAATCCATGGAATTGCACTTGTGACTTACTTCTCTCAAGGCCTGGCTAGACAC
 CATAACTGTTTTGTGGGAGAGATTGTCTGTGAGACTCCCTTTAGGTTGCATGGGAAAGACGTGACCCAG
 CTGACCCAGGCAAGACCTGTGTCAGAAAAAGTCCAGTATTCCAGTCCAGAGGGGACAGCATGCTGACA
 CCCACGTCCAAAGGCTGTACCTACAATGAATCCTGCTCTCAACCAACAGGGCTCCGAAAGCCAGCCG
 GCCGCCAAAAAGAGAAATCGTCCAACCTCCCGAGTACTGTGTCAAAGGACAGGCAAAGTTTGGACCC
 ATCATGGTGTACCAGACCAAGTCTCTGTGCTCTCACCTGTCCAGCAGCTGTGCTGCACCTCTCAGA
 GCTCAGACAATGGTCTGAATGTAACCTGCAAGAAAGGAAAGTTCATAATCTCTGACCTGCAGCCCAA
 ACCGACAGTCCAAAGAACTACCTAACAGGGAATCTTCAAACCTGTCTATAAAGAAAGACCTTAA
 GAATACAGTTCTTTGGACTTACTGCACTTAGGAAACAACAGGATTGCAAGTATTGAGGAAAGTGCCTTTA
 CAAACCTGACCAAGTTTACGAGACTTTATCTGAATGGCAATTACCTTGAAGTGTGTACCCCTTCTATGTT
 TGATGGACTGCAGAGCTTGAATATCTCTATTTAGAGTATAATGTCATTAAAGGAAATTAAGCCTCTGACC
 TTTGATGCTTTGATTAACCTACAGCTACTGTTTCTGAACAACAACCTTCTCGGTCTTACCTGATAATA
 TATTTGGGGGACGGCCCTAACCCAGGCTGAATCTGAGAAACAACCATTTTCTCACCTGCCCGTAAAGG
 GGTCTGGATCAGCTCCCGCTTTCATCCAGATAGATCTGCAGGAGAACCCTGGGACTGTACCTGTGAC
 ATCATGGGGCTGAAAGACTGGACAGAACATGCCAATCCCTGTGATCATTAAAGAGTGTGCTGCGAAT
 CTCTGCTAAGCATGCAGGGGAGATACTAAAATTTCTGGGGAGGGAGGCTATCTGTCCAGACAGCCAAA
 CTTGTGATGGAACCGTCTTGTCAATGAATCACAAATACAGACACCTCGGTGCTTGTGTGCTCCT
 AGTTCTATCCTGAACTACACACTGAAGTTCAGTGTCTGCTTAAATCTGGGATTGCTTGTGTTTTC
 TCTATCTGTCTGTTTTGGGGCTGGTTTATTGCTCTTTGCTTGAACCGCCGAAAGGGAGTGGCAGCGT
 TCCCAGGAATACCAACAACCTTAGACGTAAGCTCTTTCAATTACAGTATGGGTCTTACAACACTGAGACT
 CACGATAAAACAGACGGCCATGTCTACAACATATCCCCCACCTGTGGGTGAGATGTCGCAAAACCCCA
 TCTACATGCAGAAGGAAGGAGACCCAGTAGCCTATTACCGAAACCTGCAAGAGTTCAGCTATAGCAACCT
 GGAGGAGAAAAAAGAAGAGCCAGCCACACCTGCTTACACAATAAGTGCCACTGAGCTGTAGAAAAGCAG
 GCCACACCAAGAGAGCCTGAGCTGCTGTATCAAAATATTGCTGAGCGAGTCAAGGAACTCCAGCGCAG
 GCCTAGTCCACTATAACTTTTGTACCTTACCTAAAAGGCAAGTTGCCCTTCTATGAATCTGACGCCA
 AAACCAAGACAGAATCAATAAAACCGTTTTATATGGAACCTCCAGGAAATGCTTTGTGGGCAGTAAAA
 CCCAACCCCTTTACTGCAAGCTAAGCCGCAATCAGAACCAGGACTACCTCGAAGTCTGGAAAAACAA
 CTGCAATCAGTCAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227467 protein sequence
 Red=Cloning site Green=Tags(s)

XC*AAFSSVC*PWPGSYRQVAKLPKTFARSAVCAKKRKY*ISTVRTKDLQQLACSSPPSIESISFFS
 METS*QDCIQTNLSITPTR*LFT*VTTGYRRSERGHSVA*KLSKDCISTTSLRY*GRTPS*AWRAWSIS
 RPTTITSVPSRLGHSANLTSSKSS*MTTFCFHCPAMCSALSC*PT*TSGGIG*K*CLLLASLNILEGSW
 RFSWRKIHGIALVTYFLSRPG*TP*LFLWERLSVRLPLGCMGKT*PS*PGKTSVPEKVPVIVPVRGAAMLT
 PTSKGCHLQ*ILLSTQPLRKPAGRPK*EIVQLPE*LCQRTGKVLDPWCWTRPSLLCLSPVPAAVSAPLR
 AQTMV*M*TAKKGSSLSILTCSPNRPVQRNST*QGTIFKLSIRMTS*NTVLWTYCT*ETTGLQSFVKVPL
 QT*PVYADFI*MAITLKCCTLLCLMDCRACNISI*SIMSLRKL*PLML*LTYSYCF*TTTFFGPYLII
 YLGGRP*PG*I*ETTIFLTCP*KGFWISSRLSSR*ICRRTPGTVPTSWG*KTGQNPPIPLSSLMR*LAN
 LLLSMQGRY*NFWGGRLSVQTAQTCQMEPSCQ*ITIQTHLGRVCLLVILNYTLKFHCLS*FWDCLLFS
 SYLSVLGLVYSSLS*NAERECRAFPGIPTT*T*APFNYSMGLTTLRLTIKQTAMSTTISPHLVVRCAKTP
 STCRRKETQ*PITETCKSAIATWRRKKKSQPHELLTQ*VPLSC*KSRPHQESLSCCIKILLSERNFPAQ
 A*STITFVPLYKGSLLPLMNLDAKTKTESIKPFYMELPGNALWGSQNPTTLYCKLSRNQNRRTTSKFWKNK
 LQSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4079_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

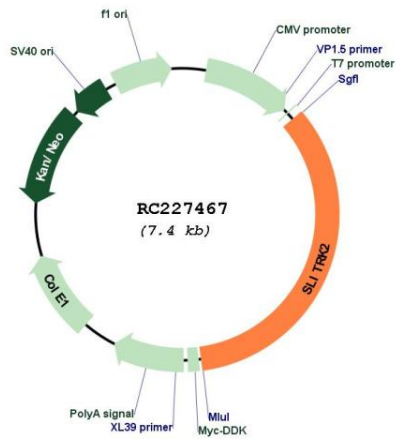
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001144006
ORF Size:	2535 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_001144006.2 , NP_001137478.1
RefSeq Size:	4154 bp
RefSeq ORF:	2538 bp
Locus ID:	84631
UniProt ID:	Q9H156
Cytogenetics:	Xq27.3
Protein Families:	Transmembrane
MW:	95.4 kDa
Gene Summary:	This gene encodes an integral membrane protein that contains two N-terminal leucine-rich repeats domains and contains C-terminal regions similar to neurotrophin receptors. The encoded protein may play a role in modulating neurite activity. Alternatively spliced transcript variants encoding the same protein have been described.[provided by RefSeq, Feb 2010]

Product images:



Circular map for RC227467