

Product datasheet for **RC239331**

SLITRK1 (NM_001281503) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLITRK1
Synonyms:	LRRC12; TTM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC239331 representing NM_001281503
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGCTTTGGATTCTGTTGCTGGAGACGTCTCTTTGTTTTGCCGCTGGAACGTTACAGGGGACGTTT
 GCAAAGAGAAGATCTGTTCTGCAATGAGATAGAAGGGGACCTACACGTAGACTGTGAAAAAAGGGCTT
 CACAAGTCTGCAGCGTTTCACTGCCCCGACTTCCCAAGTTTACCATTATTTCTGCATGGCAATTCCTC
 ACTCGACTTTTCCCTAATGAGTTTCGCTAAGTTTATAATGCGGTTAGTTTGACATGGAACAAATGGCT
 TGCATGAAATCGTTCCGGGGGCTTTCTGGGGCTGCAGCTGGTGAAGGCTGCACATCAACAACAACAA
 GATCAAGTCTTTTCGAAAGCAGACTTTTCTGGGGCTGGACGATCTGGAATATCTCCAGGCTGATTTTAAT
 TTATTACGAGATATAGACCCGGGGGCTTCCAGGACTTGAACAAGCTGGAGGTGCTCATTTTAAATGACA
 ATCTCATCAGCACCTACCTGCCACGTGTTCCAGTATGTGCCATCACCCACCTCGACCTCCGGGGTAA
 CAGGCTGAAACGCTGCCCTATGAGGAGGTCTTGAGGAAATCCCTGGTATTGCGGAGATCTGCTAGAG
 GATAACCCCTGGGACTGCACCTGTGATCTGCTCTCCCTGAAAGAAATGGCTGGAACAACTCCCAAGAATG
 CCCTGATCGGCCGAGTGGTCTGCGAAGCCCCCACCAGACTGCAGGGTAAAGACCTCAATGAAACACCGA
 ACAGGACTTGTGCTTTGAAAAACCGAGTGGATTCTAGTCTCCGGCGCCCTGCCAAGAAGAGACC
 TTTGCTCTGGACCCCTGCCAAGTCTTTCAAGACAAATGGCAAGAGGATCATGCCACACAGGGTCTG
 CTCCAAACGAGGTACAAAGATCCAGGCAACTGGCAGATCAAAATCAGACCCACAGCAGCGATAGCGAC
 GGGTAGCTCCAGGAACAAACCTTAGCTAACAGTTTACCCTGCCCTGGGGGCTGCAGCTGCGACCACATC
 CCAGGGTGGGTTTAAAGATGAAGTCAACAACAGAACGAGTGCAGCTGGGCTGATTTGAAGCCCAAGC
 TCTCTAACGTGCAGGAGCTTTTCTACGAGATAACAAGATCCACAGCATCCGAAATCGACTTTGTGGA
 TTACAAGAACCTCATTCTGTTGGATCTGGGCAACAATAACATCGCTACTGTAGAGAACAACACTTTCAAG
 AACCTTTTGGACCTCAGGTGGCTATACATGGATAGCAATTACCTGGACACGCTGTCCCGGGAGAAATTCG
 CGGGGCTGCAAACTAGAGTACCTGAACGTGGAGTACAACGCTATCCAGCTCATCTCCCGGGCACTTT
 CAATGCCATGCCAACTGAGGATCCTCATTCTCAACAACACCTGCTGAGGTCCCTGCCTGTGGACGTG
 TTCGCTGGGGTCTCGCTCTCTAACTCAGCCTGCACAACAATTACTTCATGTACCTCCCGGTGGCAGGG
 TGCTGGACAGTTAACCTCCATCATCCAGATAGACCTCCACGGAACCCCTGGGAGTGTCTGCACAAT
 TGTGCTTTTCAAGCAGTGGGCAGACGCTTGGGTTCCGAAGTGTGATGAGCGACCTCAAGTGTGAGACG
 CCGGTGAAGTCTTTAGAAAGGATTTATGCTCTCTCCAATGACGAGATCTGCCCTCAGCTGTACGCTA
 GGATCTCGCCACGTTAACTTCGCACAGTAAAAACAGCACTGGGTTGGCGGAGACCGGGACGCACTCCAA
 CTCCTACCTAGACACCAGCAGGGTGTCCATCTCGGTGTTGGTCCCGGACTGCTGCTGGTGTGTTGTACC
 TCCGCTTACCCGTGGTGGCATGCTCGTGTATCTGAGGAACCGAAGCGGTCCAAGAGACGAGATG
 CCAACTCCTCCGCTCCGAGATTAATTCCTACAGACAGTCTGTGACTCTTCTACTGGCACAATGGGCC
 TTACAACGAGATGGGGCCACAGAGTGTATGACTGTGGCTCTACTCGCTCTCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239331 representing NM_001281503
 Red=Cloning site Green=Tags(s)

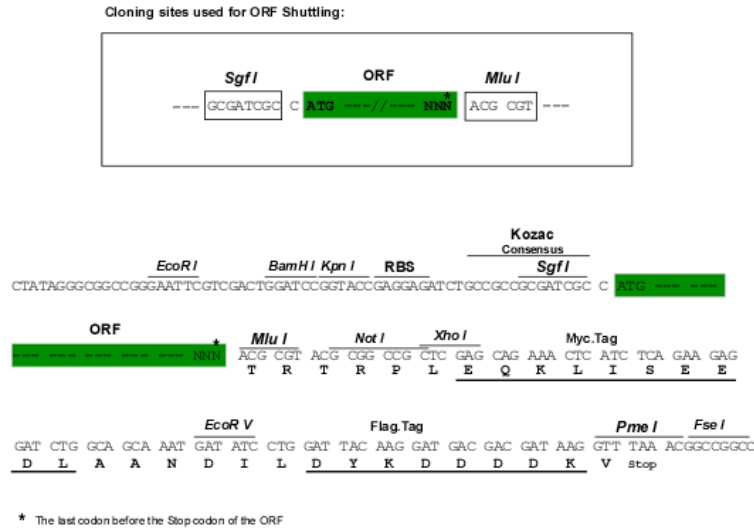
MLLWILLLETSLCFAAGNVTGDVCKEIKSCNEIEGDLHVDCEKKGFTSLQRFTAPTSQFYHLFLHGNSL
 TRLFPNEFANFYNAVSLHMENGLHEIVPGAFLGLQLVKRLHINNKKIKSFRKQTFLLDLEYLQADF
 LLRDIDPGAQDLNKLVLILNDNLISTLPANVFQYVPIHLDLRGNRLKTLPEEVELEQIPGIAEILLE
 DNPWDCDCLLSLKEWLENIPKNALIGRVCEAPTRLQGKDLNETTEQDLCPKKNRVSSLPAPPAQEET
 FAPGLPTPFKTNQEDHATPGSAPNGGKIPGNWQIKIRPTAAIATGSSRNKPLANSLPCPGGSCDHI
 PGSLKMNCNNRVSSADLKPKLSNVQELFLRDNKIHSIRKSHFVDYKNLILDLGNNNIATVENNTFK
 NLLDLRWLYMDSNYLDTLSREKFAQLQNLLEYLNVYNAIQLILPGTFNAMPKLRILILNNLLRSLPVDV
 FAGVSLSKLSLHNNYFMYLPVAGVLDQLTSIIQIDLHGNPWECSCTIVPFKQWAERLGSEVLMSDLKCET
 PVNFFRKDFMLLSNDEICPQLYARISPTLTSHSKNSTGLAETGTHSNSYLDTSRVSISVLVPGLLLVFVT
 SAFTVVGMLVFILRNKRKRKRDRANDSSASEINSLQTVCDSSYWHNGPYNADGAHRVYDCGSHSLSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4079_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001281503

ORF Size: 2088 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001281503.2](#)

RefSeq Size: 4753 bp

RefSeq ORF: 2091 bp

Locus ID: 114798

UniProt ID: [Q96PX8](#)

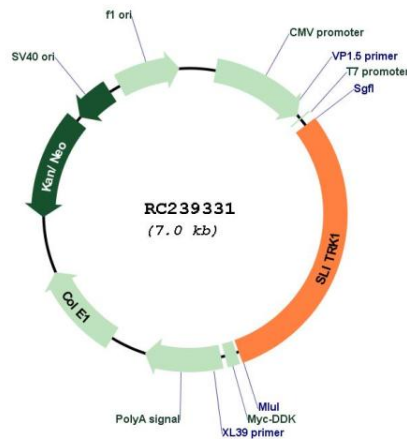
Cytogenetics: 13q31.1

Protein Families: Transmembrane

MW: 77.7 kDa

Gene Summary: This gene encodes a member of the SLITRK protein family. Members of this family are integral membrane proteins that are characterized by two N-terminal leucine-rich repeat (LRR) domains and a C-terminal region that shares homology with trk neurotrophin receptors. However, the protein encoded by this gene lacks the region of homology to neurotrophin receptors. This protein is thought to be involved in neurite outgrowth. Mutations in this gene may be associated with Tourette syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC239331