

Product datasheet for **RG208216**

SLITRK1 (NM_052910) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLITRK1 (NM_052910) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLITRK1
Synonyms:	LRRC12; TTM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG208216 representing NM_052910
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGCTTTGGATTCTGTTGCTGGAGACGTCTCTTTGTTTTGCCGCTGGAACGTTACAGGGGACGTTT
 GCAAAGAGAAGATCTGTTCTGCAATGAGATAGAAGGGGACCTACACGTAGACTGTGAAAAAAGGGCTT
 CACAAGCTGCAGCGTTTCACTGCCCGACTTCCAGTTTTACCATTTATTTCTGCATGGCAATTCCTC
 ACTCGACTTTTCCCTAATGAGTTCGCTAACTTTTATAATGCGGTTAGTTGCACATGGAACAATGGCT
 TGCATGAAATCGTTCGGGGGCTTTTCTGGGGCTGCAGCTGGTAAAAGGCTGCACATCAACAACAACAA
 GATCAAGCTTTTCAAAGCAGACTTTTCTGGGGCTGGACGATCTGGAATATCTCCAGGCTGATTTTAAT
 TTATTACGAGATATAGACCCGGGGGCTTCCAGGACTTGAACAAGCTGGAGGTGCTCATTTTAAATGACA
 ATCTCATCAGCACCTACCTGCCAACGTGTTCCAGTATGTGCCATCACCCACCTCGACCTCCGGGGTAA
 CAGGCTGAAAACGCTGCCCTATGAGGAGGTCTTGAGCAAATCCCTGGTATTGCGGAGATCTGCTAGAG
 GATAACCTTGGGACTGCACCTGTGATCTGCTCTCCCTGAAAGAATGGCTGGAAAACATTCCCAAGAATG
 CCCTGATCGGCCGAGTGGTCTGCGAAGCCCCACCACTGACAGGTAAGACCTCAATGAAACCCGA
 ACAGGACTTGTGCTTTGAAAAACCGAGTGGATTCTAGTCTCCCGGCGCCCCCTGCCAAGAAGAGACC
 TTTGCTCTGGACCCCTGCCAATCCTTTCAAGACAAATGGGCAAGAGGATCATGCCACACAGGGTCTG
 CTCCAAACGGAGGTACAAAGATCCCAGGCAACTGGCAGATCAAAATCAGACCCACAGCAGCGATAGCGAC
 GGGTAGCTCCAGGAACAAACCTTAGCTAACAGTTTACCCTGCCCTGGGGGCTGCAGCTGCGACCATC
 CCAGGGTCGGGTTTAAAGATGAAGTGAACAACAGGAACGTGAGCAGCTTGGCTGATTTGAAGCCCAAGC
 TCTCTAACGTGCAGGAGCTTTTCTACGAGATAACAAGATCCACAGCATCCGAAAATCGCACTTTTGGA
 TTACAAGAACCTCATTCTGTTGGATCTGGGCAACAATAACATCGCTACTGTAGAGAACAACTCTTTCAAG
 AACCTTTTGGACCTCAGGTGGCTATACATGGATAGCAATTACCTGGACACGCTGTCCCGGGAGAAATTCG
 CGGGGCTGCAAAACCTAGAGTACCTGAACGTGGAGTACAACGCTATCCAGCTCATCTCCCGGCACTTT
 CAATGCCATGCCAAACTGAGGATCCTCATTCTCAACAACAACCTGCTGAGGTCCTGCCTGTGGACGTG
 TTCGCTGGGGTCTCGCTCTCTAACTCAGCCTGCACAACAATTACTTCATGTACCTCCCGGTGGCAGGGG
 TGCTGGACCAGTTAACCTCCATCATCCAGATAGACCTCCACGGAACCCCTGGGAGTGCTCCTGCACAT
 TGTGCTTTCAAGCAGTGGGCAGAACGCTTGGGTTCCGAAGTCTGATGAGCGACCTCAAGTGTGAGACG
 CCGGTGAACCTTTTAGAAAGGATTTTATGCTCCTCTCCAATGACGAGATCTGCCCTCAGCTGTACGCTA
 GGATCTCGCCACGTTAACTTCGCACAGTAAAAACAGCACTGGGTGGCGGAGACCGGGACGCACTCCAA
 CTCTACCTAGACACCAGCAGGGTGTCCATCTCGGTGTTGGTCCCGGGAAGTGTGCTGCTGTTTGTCAAC
 TCCGCTTACCGTGGTGGGCATGCTCGTGTATCTGAGGAACCGAAAGCGGTCCAAGAGACGAGATG
 CCAACTCTCCGCTCCGAGATTAATCCCTACAGACAGTCTGTGACTCTTCTACTGGCACAATGGGCC
 TTACAACGCAGATGGGGCCACAGAGTGTATGACTGTGGCTCTCACTCGCTCTCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208216 representing NM_052910
 Red=Cloning site Green=Tags(s)

MLLWILLLETSLCFAAGNVTGDVCKEIKSCNEIEGDLHVDCEKKGFTSLQRFTAPTSQFYHLFLHGNSL
 TRLFPNEFANFYNAVSLHMENGLHEIVPGAFLGLQVKRLHINNKKIKSFRKQTFGLDDLEYLQADFN
 LLRDIDPGAQDLNKLLEVLILNDNLISTLPANVFQYVPITHLDLRGNRLKTLPYEEVLEQIPGIAEILLE
 DNPWDCTCDLLSLKEWLENIPKNALIGRVVCEAPTRLQGKDLNETTEQDLCPLKNRVDSLPAPPAQEET
 FAPGPLPTPFKTNGQEDHATPGSAPNGGTIPGNWQIKIRPTAAIATGSSRNKPLANSLPCPGGCSDHI
 PGSGLKMNCRNRNVSSLADLKPKLSNVQELFLRDNKIHSIRKSHFVDYKNLILLDLGNNNIATVENNSFK
 NLLDLRWLYMDSNYLDTLSREKFAQLNLEYLNVEYNAIQILPGTFNAMPKLRILILNNNLLRSLPVDV
 FAGVSLSKLSLHNNYFMYLPVAGVLDQLTSIIQIDLHGNPWECSCTIVPFKQWAERLGSEVLMSDLKCET
 PVNFFRKDFMLLSNDEICPQLYARISPTLTSHSKNSTGLAETGTHSNLYLDSRVSVISLVPGLLLVFVT
 SAFTVVGMLVFIILNRKRKRDRDANSSASEINSLQTVCDSSYWHNGPYNADGAHRVYDCGSHSLSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052910

ORF Size: 2088 bp

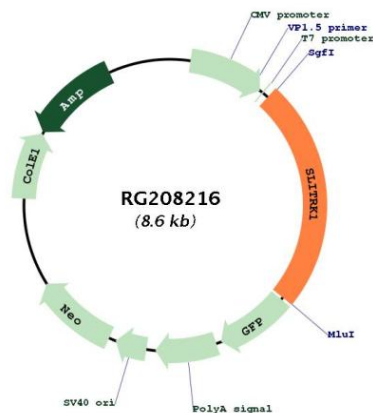
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_052910.1, NP_443142.1</u>
RefSeq Size:	5201 bp
RefSeq ORF:	2091 bp
Locus ID:	114798
UniProt ID:	<u>Q96PX8</u>
Cytogenetics:	13q31.1
Protein Families:	Transmembrane
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 RG208216