

Product datasheet for **SC121653**

SLITRK1 (NM_052910) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLITRK1 (NM_052910) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLITRK1
Synonyms:	LRRC12; TTM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC121653 sequence for NM_052910 edited (data generated by NextGen Sequencing)

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ATGCTGCTTTGGATTCTGTTGCTGGAGACGTCTCTTTGTTTTGCCGCTGGAAACGTTACA
GGGGACGTTTGC AAAGAGAAGATCTGTTCTGCAATGAGATAGAAGGGGACCTACACGTA
GACTGTGAAAAAAGGGCTTCACAAGCTGCAGCGTTTCACTGCCCGACTTCCCAGTTT
TACCATTATTTTCTGCATGGCAATTCCTCACTCGACTTTTCCCTAATGAGTTCGCTAAC
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TTTCGAAAGCAGACTTTTCTGGGGCTGGACGATCTGGAATATCTCCAGGCTGATTTTAAT
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Clone variation with respect to NM_052910.1

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052910 unedited
 GACTTACTATAGGGCGGCCGGAATTTCGGCACGAGGAGAGAGACAGTAAAAGAAAA
 AAAAAAGCCTTAAGAGGACCGAAGGGGAGGAAAGGAAAGGATGGACAACCACAAACGC
 AGCGATTGCGGAAATTTCCAGCGCCATTGGCTGGGCAGCGTGAGTCCTTCGGTCGGGCG
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 GAAACCGGAATGAATTCCTCCCTTAAAAATGCTGGTTTGATCTGTTGTTGAAAACTT
 TCTTTCTTTTGCGCTGGAACTTTTAAGGGCACCTTGGAATAAAAAAATTTGTTCTGCC
 TGGAAAAAGGGCCCTCACCCATTGTAAAAACGGTTTCACCTGGGAGTCTACTG
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_052910 unedited
 GACCGCGCCGCAATTTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTTATAATAAAGA
 TTTTATTAATAAAGTGTTAAATAAATAATACATATTCCAGAACATCACTGTTCTGAGAA
 ATCACTTCCCTTTAGAATATGAGTTCTAGATGGCAGATCTACTTACAACCTGCTCTGAGGT
 CTTTCACTAGCTGATTTATAATCTATATTAATAAAAAAATCTATAGTCTGCAGTCTTTTG
 ACATACTTCTCAAGGGTGGATATGTGGTGAATGCAGACTCCATCAATATGTGTGGTTTT
 GTTTGCTTTTTGTAGCTTAAGTCTGTTTAGAAATCCCAGAGGAATATGATTGAGGCCAG
 AGTTACATTGGTTCATAAAATTCGAACAGTTGAAGCTGTTTTGTTAATTGCTGGGCCAC
 AACCAGAAATCCGGATGATGGGAGAGAAACACTTCTTTAGGATAATGATTAATTTCCATA
 AAGATGAGTGCTTTAACAATTTCAATATGCAGTTGCTGGGCGGGGAGGGTGGGTGGGC
 ACTAATTAGTTTTACCGTTTTTCAGCAGATGTTGAATTCAAAATGCCAGCAGCATCTCAA
 TGCCAGTCATTAGTCTGTCTTTTATTGAGGAGTGCTGACCAATGAAATCTCCACTCTGT
 TTAATGAGACCTATCTAGGCAGAGTCAATTAAATCAAATCTCTCCTAACATCCCTTATAT
 ATCTGCAGTGTGGGCAGCACCAACAAAAGCAGCAGAGAGGGATTCCAGTATTAATAAAG
 GGATTCACTGCTGCATTTGGAGAGGGGAAAAAGAGGGGTGAGTGTGGGCAGACCTTA
 TGGACTGGGAAGCCGTAAGT

Restriction Sites:

NotI-NotI

ACCN:

NM_052910

Insert Size:

5000 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<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] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.