

## Product datasheet for **SC337225**

### **SLITRK1 (NM\_001281503) Human Untagged Clone**

#### **Product data:**

|                      |                     |
|----------------------|---------------------|
| <b>Product Type:</b> | Expression Plasmids |
| <b>Tag:</b>          | Tag Free            |
| <b>Symbol:</b>       | SLITRK1             |
| <b>Synonyms:</b>     | LRRC12; TTM         |
| <b>Vector:</b>       | <u>pCMV6 series</u> |



**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001281503, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCTTTGGATTCTGTTGCTGGAGACGTCTCTTTGTTTGGCCGCTGGAAACGTTACAGGGGACGTTT
GCAAAGAGAAGATCTGTTCTGCAATGAGATAGAAGGGGACCTACACGTAGACTGTGAAAAAAGGGCTT
CACAAGCTGCAGCGTTTCACTGCCCGGACTTCCAGTTTTACCATTATTTCTGCATGGCAATTCCTC
ACTCGACTTTTCCCTAATGAGTTCGCTAACTTTTATAATGCGGTTAGTTTGCACATGGAAAAACAATGGCT
TGCATGAAATCGTTCCGGGGGCTTTTCTGGGGCTGCAGCTGGTGAAAGGCTGCACATCAACAACAACAA
GATCAAGTCTTTTGCAAAGCAGACTTTTCTGGGGCTGGACGATCTGGAATATCTCCAGGCTGATTTTAA
TTATTACGAGATATAGACCCGGGGGCTTCCAGGACTTGAACAAGCTGGAGGTGCTCATTTTAAATGACA
ATCTCATCAGCACCTACCTGCCAACGTGTTCCAGTATGTGCCATCACCCACCTCGACCTCCGGGGTAA
CAGGCTGAAACGCTGCCCTATGAGGAGGTCTTGGAGCAATCCCTGGTATTGCGGAGATCTGTAGAG
GATAACCTTGGGACTGCACCTGTGATCTGCTCTCCCTGAAAGAATGGCTGGAAACATTCCCAAGATG
CCCTGATCGCCGAGTGGTCTGCGAAGCCCCACCAGACTGCAGGTAAGACCTCAATGAAACCACCGA
ACAGGACTTGTGCTTTGAAAAACGAGTGGATTCTAGTCTCCCGCGCCCCCTGCCAAGAGAGACC
TTTGCTCCTGGACCCCTGCCAACTCCTTTCAAGACAAATGGGCAAGAGGATCATGCCACACCAGGCTCTG
CTCCAAACGGAGGTACAAAGATCCCAGGCAACTGGCAGATCAAAATCAGACCCACAGCAGCGATAGCGAC
GGGTAGCTCCAGGAACAAACCTTAGCTAACAGTTTACCCTGCCCTGGGGGCTGCAGCTGCGACCATC
CCAGGGTCGGGTTTAAAGATGAAGTCAACAACAGGAACGTGAGCAGCTTGGCTGATTGAAAGCCCAAGC
TCTCTAACGTGCAGGAGCTTTTCTACGAGATAACAAGATCCACAGCATCCGAAAAATCGCACTTTGTGGA
TTACAAGAACCTCATTCTGTTGGATCTGGGCAACAATAACATCGCTACTGTAGAGAACAACACTTTCAAG
AACCTTTTGGACCTCAGGTGGCTATACATGGATAGCAATTACCTGGACACGCTGTCCCGGGAGAAATTCG
CGGGGCTGCAAAACCTAGAGTACCTGAACGTGGAGTACAACGCTATCCAGCTCATCCTCCCGGGCACTTT
CAATGCCATGCCAAACTGAGGATCCTCATTCTCAACAACAACCTGCTGAGGTCCCTGCCTGTGGACGTG
TTCGCTGGGGTCTCGCTCTCTAACTCAGCCTGCACAACAATTACTTATGTACCTCCCGGTGGCAGGGG
TGCTGGACCACTAACCTCCATCATCCAGATAGACCTCCACGGAACCCCTGGGAGTGCTCCTGCACAAT
TGTGCCTTTCAAGCAGTGGGCAGAACGCTTGGGTTCCGAAAGTGTGATGAGCGACCTCAAGTGTGAGACG
CCGGTGAACCTTCTTTAGAAAGGATTTCATGCTCCTCTCAATGACGAGATCTGCCCTCAGCTGTACGCTA
GGATCTCGCCACGTTAACTTCGCACAGTAAAAACAGCACTGGGTTGGCGGAGACCGGGACGCACTCCAA
CTCCTACCTAGACACCAGCAGGGTGTCCATCTCGGTGTTGGTCCCGGACTGCTGCTGGTGTGTCACC
TCCGCCTTACCGTGGTGGGCATGCTCGTGTATCTGAGGAACCGAAAGCGGTCCAAGAGACGAGATG
CCAACCTCCTCCGCTCCGAGATTAATTCCTACAGACAGTCTGTGACTCTTCTACTGGCACAATGGGCC
TTACAACGCAGATGGGGCCACAGAGTGTATGACTGTGGCTCTCACTCGCTCTCAGACTAA
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001281503

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                 |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001281503.1, NP_001268432.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 4753 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2091 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 114798                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q96PX8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 13q31.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Families:</b>      | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (2) lacks an internal segment compared to variant 1. Both variants 1 and 2 encode the same protein.</p> |