

Product datasheet for **SC314993**

SLITRK5 (NM_015567) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLITRK5 (NM_015567) Human Untagged Clone
Tag: Tag Free
Symbol: SLITRK5
Synonyms: bA364G4.2; LRRC11
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_015567 edited
 GTGAGGATGAAACTGCCAAGGGATGCAAGAGCCTCTCAAATAATTAGGGGCCGCGGC
 GCGCGCGGGCTCGGCGCGGAGACAGCGTTCGGCGGGATCCCAGCGGGTGGTCGCCGCTGC
 GCTGGGGGGCGGAGGACAGCGCAGGAGCTGCAGCCCGCCTTCGCTGGAGCAGCGAGG
 GGCCGGTGCCACCTTTGCTCGCCCCCTACTACCATGTACAGTGTGCGCTGCAAGAAGAA
 GGCGGGAGATGCATGCACACCCCGCGACCCGCTCCCTCTGGCTCGTCCCCGGCGTGCG
 CCACTGACCAGGGGGAAATGTGGTGAAGACGGCGAGGAGGAGAGCCGAGGGGGAGGGGA
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 AGACCGGGGCTTCCATGGGCTACGGGGTTTGGAGAGATTGCATCTAAACAATAA
 TAAAC
 TGGAACTTCTGCGAGATGATACCTTCTTGGCTTGGAGAACCTGGAGTACCTACAGGTCG
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 TGCTTATCCTCAATGACAATCTTTTGTCCAGTTTACCAACAATCTTTTCCGTTTGTG
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 CTGCTGTTTACAACCCCTTTGAAGCCCTAAGGGGACTCGCCAACCAACAAGCCCA
 GGGTGCGCCCCACCTCTCGGCAGCCCTTAAGGACTTGGGCTACAGCAACTATGGCCCA



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GCATCGCCTATCAGACCAAATCCCCGGTGCCTTTGGAGTGTCCCACCGCGTGCTCTTGCA
 ACCTGCAGATCTCTGATCTGGGCTCAACGTAAACTGCCAGGAGCGAAAGATCGAGAGCA
 TCGCTGAACTGCAGCCCAAGCCCTACAATCCCAAGAAAATGTATCTGACAGAACTACA
 TCGCTGTCTGTGCGCAGGACAGACTTCTGGAGGCCACGGGGTGGACCTCCTGCACCTGG
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 AATGCAACCCACCAATTGAATCTGCATTTTCTTTAAGAAAACAGAGCTGATTGTATCC
 CAATGTATTTAAAAAATAGGGCAATTGATTGGGCCATTCGAGAGAATTGTTTGCAAGT
 TTTGGGTTTTATTAGAAAATTTGAAAGTATTTTATTAATGAACCAAATGACATGTT
 CATTTGACTACTATTGTAGCCGATTTTCGATTGTTAACCACAAACCGATTGCATTTGTAC
 AGATCCACGTGTACTGGCACCTCAGAAGACCAAATCATGGACTGTACAAGTCTCTATACA
 ATGTCTTTATCCCTGTGGGCAGCAAGCAATGATGATAATGACAAACAGGATATCTGTAAG
 ATGGGGCTACTGTTGTTACAGTCTCATATGTATCCAGCACATGTAATTTTTTAAATAGT

TTCTGAATAAACACTTGATAACTATGTCAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_015567
Insert Size:	4700 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_015567.1.
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:	<u>NM_015567.1</u> , <u>NP_056382.1</u>
RefSeq Size:	4461 bp
RefSeq ORF:	2877 bp
Locus ID:	26050
UniProt ID:	<u>O94991</u>
Cytogenetics:	13q31.2
Protein Families:	Transmembrane
Gene Summary:	Members of the SLITRK family, such as SLITRK5, are integral membrane proteins with 2 N-terminal leucine-rich repeat (LRR) domains similar to those of SLIT proteins (see SLIT1; MIM 603742). Most SLITRKs, including SLITRK5, also have C-terminal regions that share homology with neurotrophin receptors (see NTRK1; MIM 191315). SLITRKs are expressed predominantly in neural tissues and have neurite-modulating activity (Aruga et al., 2003 [PubMed 14557068]). [supplied by OMIM, Mar 2008]