

Product datasheet for SC114765

SLITRK3 (NM_014926) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLITRK3 (NM_014926) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLITRK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114765 sequence for NM_014926 edited (data generated by NextGen Sequencing)

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ATGAAACCTTCCATAGCTGAGATGCTTCACAGAGGAAGGATGTTGTGGATAATTCTTCTA
AGCACAATTGCTCTAGGATGGACTACCCCGATTCCCCTAATAGAGGACTCAGAGGAAATA
GATGAGCCCTGTTTTGATCCATGCTACTGTGAAGTTAAAGAAAGCCTCTTTCATATACAT
TGTGACAGTAAAGGATTTACAAATATTAGTCAGATTACCGAGTCTGGTCAAGACCTTTT
AACTGTATCTGCAGAGGAATTCTATGAGGAAATTATATACCAACAGTTTTCTTCATTTG
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AGCCTCATGCCCAACTTGAAGCTGCTATTCTCAATAATAACTTACTGAGGACTCTGCCA
ACAGACGCCTTTGCTGGCACATCCCTGGCCCGCTCAACCTGAGGAAGAACTACTTCTC

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TATCTTCCCGTGGCTGGTGTCTGGAACACTTGAATGCCATTGTCCAGATAGACCTCAAT
 GAGAATCCTTGGGACTGCACCTGTGACCTGGTCCCCTTTAAACAGTGGATCGAAACCATC
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 AAGGGCTTACAGACCACCAACCCAAAAAAGTGATTACCTCGAGTTAAGGGCCAAACT
 CAAACCAAGCCGATTACCTCGAAGTCTGGAGAAGACAACATACAGTTCTAA

Clone variation with respect to NM_014926.2

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_014926 unedited
 TCACATTTGTATACGACTCATATAGGGCGGCCGGAATCGGCCACGAGGGNAAACATTTA
 AACGGATTACAAGCGTGATTCGGTAGCCTTTCCGGAAGTTGGCGGCCAGAAGAGGAGAAGC
 TACAAGGCTACAGTATGATGGATACAATTCAGCTTCGACAGAGATTTGCCCTCCTGTG
 GGTAGCCCTCGCAGCAAACCTCGGAGATCCTGAGCGCTCTGCACCATAGTTTTGTAAATC
 AACACGAAACGATGAAACCTTCCATAGCTGAGATGCTTACAGAGGAAGGATGTTGTGGA
 TAATTTCTTAAGCACAATTGCTCTAGGATGGACTACCCCGATTCCCCTAATAGAGGACT
 CAGAGGAAATAGATGAGCCCTGTTTTGATCCATGCTACTGTGAAGTTAAAGAAAGCCTCT
 TTCATATACATTGTGACAGTAAAGGATTTACAAATATTAGTCAGATTACCGAGTTCTGGT
 CAAGACCTTTTAACTGTATCTGCAGAGGAATTCTATGAGGAAATTATATACCAACAGTT
 TTCTTCATTTGAATAATGCTGTGTCTAATAATCTTGGGAACAATGCATTGCAGGACATTC
 AGACTGGAGCTTTCAATGGTCTTAAGATTTTAAAGAGACTATATCTACATGAAAACAAC
 TAGATGTCTTCAGAAATGACACCTTCTTGGCTTGGAAAGTCTAGAATATCTGCAGGCAG
 ATTACAATGTCATTAAACGTATTGAGAGTGGGGCATTTCGGAACCTAAGTAATTGAGGGT
 TCTGATTNTAAATGATAATCTCATCCCCATGCTTCAACCAATTTATTTAAGGGCTGTCT
 CTTTAAACCATTTGGACCTACATGGAAATAGGTTAAAGGGNTCTTTTTTACCGAGGAATG
 CTAGATCACATTGGCAGAAGCCTGATGGAGCTNCAGCTGGAAGAAACCTTNGNACTGT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014926 unedited TTTTTTTTTTTTTTTTAATGTATTATGTTTTTCAAAAACTTTTTATTAGGAAAGCTATA CCAGAGGCATAATCACTATACAATGATTAACATTACCTTTACAATTTATAACTACTGAA ATTACAGAATAAATATATGCACATTTCTTTGAATCTTTGTGTGTGAGAGAGAAAACATT AAAAGTGCTTCTACAAAGCTGTAGTGATATATACCCAGTTGCTTTTTTAATATTATA TATATATAAAGAAAGTGCAGATGTTCTCAAAAAATCTTGCCATCAGGATGAAGTGTCA CAAAGAGGGTGCATCCCTAGGCGTGTCTTCGGCTGTTAAACCACCAGGCCTCTACT TCAGTAGAATCCAGCCTAGAATGTGACTTTTCCAGGGTGTAGGAGAGATGCTGTGAGC TGTACACTAGCAGTGAAGGGTGGTAGAACTATGGAGAGGAGAAAAATGGATCANACCCGA ACTAAGCAGATTGAGTTGAATGGAAATGGTATGGAGTGTGTGTGTGTGTGTGTGTGTG TGN
Restriction Sites:	NotI-NotI
ACCN:	NM_014926
Insert Size:	4730 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:	<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_014926.2</u> , <u>NP_055741.2</u>
RefSeq Size:	4281 bp
RefSeq ORF:	2934 bp
Locus ID:	22865
UniProt ID:	<u>O94933</u>
Cytogenetics:	3q26.1
Domains:	LRRCT, LRR, LRR_TYP
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a member of the Slitrk family of structurally related transmembrane proteins that are involved in controlling neurite outgrowth. The encoded protein contains two leucine-rich repeat (LRR) domains and a C-terminal domain that is partially similar to Trk neurotrophin receptor protein. Enhanced expression of this gene was found in tissue from several different types of tumors. Alternative splicing results in multiple transcript variants, all encoding the same protein. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 - 3 encode the same protein.