

Product datasheet for **SC105581**

SLITRK6 (NM_032229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLITRK6 (NM_032229) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLITRK6
Synonyms:	DFNMYP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032229, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCTGTGGATTCATCTCTTTTATTCATCTCTCTTGCCTGTATATCTTTACACTCCCAAACCTCCAG
TGCTCTCATCCAGAGGCTCTTGTGATTCTCTTTGCAATTGTGAGGAAAAAGATGGCACAATGCTAATAAAA
TTGTGAAGCAAAAAGGTATCAAGATGGTATCTGAAATAAGTGTGCCACCATCACGACCTTTCCAACCTAAGC
TTATTAATAAACGGCTTGACGATGCTTCACACAAATGACTTTTCTGGGCTTACCAATGCTATTTCAATAC
ACCTTGGATTTAACAATATTGCAGATATTGAGATAGGTGCATTTAATGGCCTTGGCCTCCTGAAACAACCT
TCATATCAATCACAATCTTTAGAAATTCTTAAAGAGGATACTTTCCATGGACTGGAAAACCTGGAATTC
CTGCAAGCAGATAACAATTTTATCACAGTGATTGAACCAAGTGCCTTTAGCAAGCTCAACAGACTCAAAG
TGTTAATTTTAAATGACAATGCTATTGAGAGTCTTCTCCAAACATCTCCGATTTGTTCTTTAACCCA
TCTAGATCTTCGTGGAATCAATTACAAACATTGCCTTATGTTGGTTTTCTCGAACATTGGCCGAATA
TTGGATCTTCAGTTGGAGGACAACAAATGGCCTGCAATTGTGACTTATTGCAGTAAAAACTTGGTTGG
AGAACATGCCTCCACAGTCTATAATTGGTGATGTTGTCTGCAACAGCCCTCCATTTTTTAAAGGAAGTAT
ACTCAGTAGACTAAAGAAGGAATCTATTTGCCCTACTCCACCAGTGTATGAAGAATGAGGATCCTTCA
GGATCATTACATCTGGCAGCAACATCTTCAATAATGATAGTCGCATGTCAACTAAGACCACGTCCATTC
TAAAACCTACCCACCAAAGCACCAGGTTTGATACCTTATATTACAAAGCCATCCACTCAACTTCCAGGACC
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GAACACAGTGACAGATGACATCCTCTGCACTTCCCCGGGCATCTCGACAAAAAGGAATTGAAAGCCCTA
AATAGTGAATTTCTGTCCAGGTTTAGTAAATAACCCATCCATGCCAACACAGACTAGTTACCTTATGG
TCACCCTCTGCAACAACAACAATACGGCTGATACTATTTACGATCTTACGGACGCTGTGCCACT
GTCTGTTCTAATATTGGGACTTCTGATTATGTTTCACTACTATTGTTTTCTGTGCTGCAGGGATAGTGGT
CTGTTCTTACCAGCAGGAGAAGATACAAAAGAAACAAGTAGATGAGCAAATGAGAGACAACAGTCTGT
TGCATCTTCAGTACAGCATGTATGGCCATAAAACCACTCATCACACTACTGAAAGACCCTCTGCCTCACT
CTATGAACAGCACATGGTGAGCCCCATGGTTTATGTCTATAGAAGTCCATCCTTTGGTCCAAAGCATCTG
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AGGAAATCATTACCACTCACAGGGTCAAATATGAAATACAAAACCAAGCAACCAATCAACAGAATTTTT
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ATCACAGAATACCTAAGGAAAAACATTGCTCAGCTCCAGCCTGATATGGAGGCACATTATCCTGGAGCCC
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AAATGAGTATTTTGAACCTTAAAGCTAATTTACATGCTGAACCTGACTATTTAGAAGTCTGGAGCAGCAA
ACATAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032229 unedited ATTTTGTAAACGACTCACTATAGGGCGCCGCGAATTCGGCAACGAGGGAACATTGCTG CAGCTTGATCTACAACCTAAGAAAGCAAGAGTGATCAATCTCAGCTCTGTTAAACATCT TGTTTACTTACTGCATTGAGCAGCTTGCAAATGGTTAACTATATGCAAAAAAGTCAGCAT AGCTGTGAAGTATGCCGTGAATTTAATTGAGGGAAAAAGGACAATTGCTTCAGGATGC TCTAGTATGCACCTCTGCTTGAATTTTTCAATGAAATGCTCAGTATTCTATCTTTGACC AGAGTTTTAACTTTATGAAGCTATGGGACTTGACAAAAAGTGATTTTGAGAAGAAAGT ACGCAGTGGTTGGTGTCTTTTTTTTTTAATAAAGGAATTGAATTACTTTGAACACCTCT TCCAGCTGTGCATTACAGATAACGTCAGGAAGAGTCTCTGCTTTACAGAATCGGATTTC TCACATGACAACATGAAGCTGTGGATTCACTCTTTTATTTCATCTCTCCTTGCCTGTATA TCTTTACTCCCAAACCTCCAGTCTCATCCAGAGGCTCTTGTGATTCTCTTTGCAAT TGTGAGGAAAAAGATGGCACAATGCTAATAAATGTGAAGCAAAAGGTATCAAGATGGTA TCTGAAATAAGTGTGCCACCATCACGACCTTTCCAATAAGCTTATTAATAACGGCTTG ACGATGCTTACACAAAAGACTTTTCTGGGCTTACCAATGCTATTTCAATACACCTTGG TTTAACATATTGCAGATATTGAGATAGGTGCATTTAATGGCCTTGGCCTNCTGAAAACA CTNCATATCATCACAANTCTTTAGAAAACTTAAAGAGGATACTTTCCATGGACTGGNA ACCTGNNAACTGTCNAGCAGATACCATT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032229 unedited GCCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTAGTTA CTGCTGTGCTTAGGTTCTGATTGATGACACACTCACGTAAGGCACTTATTTACAAGGTAT GGACTTAAACAGAATCACAGCATTCTCGGAAAGCCCTCAAACCTCCATCTATGTTTG CTGCTCCAGGACTCTAAATAGTCAGGTTCAAGCATGTAATAGCTTTAAGTTCAAATA CTCATTTTTGTCTGTTCCACTAATACCTTCTTGGACGTGAGTACATTAATGTTTCCAT TAACCTCAGCTCTTCGTGGGCTCCAGGATAATGTGCCTCCATATCAGGCTGGAGCTGAGC AATGTTTTCTTAGGTTCTGTGATTCCAGTTGCTGAAGTCCCTTTCTTTTTCTAA AATGTTTCTGTACAATGAGCTGGCATCTTGAAGGATAAAAAATCTGTTGATTGGTTGCA GGTGTTGATTTTCATATTTGACCCTGTGAGTGGTGAATGATTTTCTGTTCCAAAAGACT TCTTTGGAGATGTTTTGCATCACTTCTTCTTTCTCATTCTCTCTTCTCTCTTCCAG ATGCTTTGGACCAAAGGATGGACTTCTATAGACATGAACCATGGGGCTCACCATGTGCTG TTCATAGAGTGAGGCAGAGGTTCTTCCAGTAGTGTGATGAGTGGTTTTATGGCCATACAT GCTGTAAGTGAAGATGCACAGGACTGTTGNCTCTCATTGCTCATCTACTTGGTTCTTTTT GGATCTCCTCCTGCNGTGAAGAAACAGACCACTATCCCTGCAGCACAGAAAAACAATAGT ATGAACATATTCAGAAGTTCAAATATTAGACAGACAGTCCCAGCGTCCGTAAGAATCGT AAATAGTTTAGCCGATTTGTTGTGTTGCAGATGGTGACCATAGTACCAGCTGGCTGCA TNATGGGTATTACTAACCTGACGAGATTCCTTTAGGCTTCATT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032229
Insert Size:	3220 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:	NM_032229.2 , NP_115605.2
RefSeq Size:	4199 bp
RefSeq ORF:	2526 bp
Locus ID:	84189
UniProt ID:	Q9H5Y7
Cytogenetics:	13q31.1
Domains:	LRRCT, LRR, LRR_TYP, LRR_PS
Protein Families:	Druggable Genome, 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. This protein functions as a regulator of neurite outgrowth required for normal hearing and vision. Mutations in this gene are a cause of myopia and deafness. [provided by RefSeq, Dec 2014]