

## Product datasheet for **RG216455**

### SLITRK3 (NM\_014926) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | SLITRK3 (NM_014926) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                   |
| Symbol:                   | SLITRK3                                    |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-AC-GFP (PS100010)                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>RG216455 representing NM\_014926  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACCTTCCATAGCTGAGATGCTTACAGAGGAAGGATGTTGTGGATAATTCTTCTAAGCACAAATTG  
 CTCTAGGATGGACTACCCGATTCCCCTAATAGAGGACTCAGAGGAAATAGATGAGCCCTGTTTTGATCC  
 ATGCTACTGTGAAGTTAAAGAAAGCCTCTTTCATATACATTGTGACAGTAAAGGATTTACAAATATTAGT  
 CAGATTACCGAGTTCTGGTCAAGACCTTTTAACTGTATCTGCAGAGGAATTCTATGAGGAAATTATATA  
 CCAACAGTTTTCTCATTGAATAATGCTGTGTCTATTAATCTTGGGAACAATGCATTGCAGGACATTCA  
 GACTGGAGCTTTCAATGGTCTTAAGATTTTAAAGAGACTATATCTACATGAAAACAACTAGATGTCTTC  
 AGAAATGACACCTTCTTGGCTTGGAAAGTCTAGAATATCTGCAGGCAGATTACAATGTCATTAACGTA  
 TTGAGAGTGGGGCATTTCGGAACCTAAGTAAATGAGGGTTCTGATTTTAAATGATAATCTCATCCCAT  
 GCTTCCAACCAATTTATTTAAGGCTGTCTTTAACCCATTTGGACCTACGTGGAATAGGTTAAAGGTT  
 CTTTTTACCGAGGAATGCTAGATCACATTGGCAGAAGCCTGATGGAGCTCCAGCTGGAAGAAAACCCCTT  
 GGAAGTGTACATGTGAAATTGTACAACCTGAAGAGTTGGCTGGAACGCATTCTTATACTGCCCTGGTGGG  
 AGACATTACCTGTGAGACCCCTTCCACTTCCATGGAAAGGACCTACGAGAAATCAGGAAGACAGAACTC  
 TGTCCCTTGTGTCTGACTCTGAGGTAGAGGCTAGTTTGGGAATCCACATTTCGTCATCAAGTAAGGAGA  
 ATGCATGGCCAACAAAGCCTTCCCAATGCTATCCTCTGTTTCACTTCTTCTGTGCAATACAA  
 GTCCTCAAATAACAGCCTAAGCCACCAACAGCCTCGAACCAAGGCCACCCCTCCACCTCCCAAGCT  
 TTATACCTGGTCAAACCAGCCTCCCATTGCTCCTTATCAGACCAGACCACCAATCCCATTTATGCC  
 CCACTGGGTGTACCTGTAATTTGCACATCAATGACCTTGGCTTGGCTGCAACTGCAAGAGGAGGATT  
 TAATAACATTTCTGAACTTCTTCCAAGGCCCTGAATGCCAAGAACTGTATCTGAGTAGCAATCTGATT  
 CAGAAAATATACCGTTCTGATTTTTGGAATTTTTCTTCTTGGATCTCTTGCATCTGGGGAACAATCGTA  
 TTTCTATGTCCAAGATGGGGCCTTTATCAACTTGCCCAACTTAAAGAGCCTTCTCCTAATGGCAACGA  
 TATAGAGAAGCTGACACCAGGCATGTTCCGAGGCCTACAGAGTTTGCACACTTGTACTTTGAGTTCAAT  
 GTCATCCGGGAAATCCAGCCTGCAGCCTTCCAGCCTCATGCCCAACTTGAAGCTGCTATTCTCAATAATA  
 ACTTACTGAGGACTCTGCCAACAGACGCCTTGTGTCACATCCCTGGCCCGCTCAACCTGAGGAAGAA  
 CTACTTCTCTATCTTCCCGTGGCTGGTGTCTGGAACACTTGAATGCCATTGTCCAGATAGACCTCAAT  
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 GGAAGTCTTTGCCAGAGATGCTGCACGTTGCACCAGCTGGAGAATCCCCAGCCAGCCTGGAGATTCT  
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 GACCAACTCTTCTCTCAGAGAAGGCCCTCCCGTGGTTCATGTGTATGAGTACATCCCCACCCGCT  
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 GAAGCAGGGAGTGCAGAACGTGGGGTCCAGGGACACAACCACCGGAATGGGTGAGGCTCTCCTAGGAA  
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 GTGGGCCCTAGCAGTGTCCAGCTCCAGCTTAACACCATAGTGACGGTGAATCACCATCACCTCACCCAC  
 CCAGCAGTTGGTGGGTTTCCAGGAGTGTGGGGAACTGGGGGAGACTTGGCAGGGTCCGCCACCATG  
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 CCCTTCTCTTCTCGGCTGAAAGGGCTTACAGACCACCAACCCAAAAAAGTATTACCTCGAGTTAAG  
 GGCCAAACTTCAAACCAAGCCGATTACCTCGAAGTCTGGAGAAGACAACATACAGTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG216455 representing NM\_014926  
 Red=Cloning site Green=Tags(s)

MKPSIAEMLHRGRMLWILLSTIALGWTTPIPLIEDSEEIDPCFDPICYCEVKESLFHHCDSKGFNTNIS  
 QITFWSRPFKL YLQRNSMRKLYTNSFLHLNNAVSINLGNALQDIQTGAFNGLKILKRLYLHENKLDVF  
 RNDTFLGLESLEYLQADYNVIKRIESGAFRNL SKLRVLILNDNLIPMLPTNLFKAVSLTHLDRGNRLKV  
 LFYRGLMDHIGRSLMELQLEENPWNCICEIVQLKSWLERIPYALVGDITCETPFHFHGKDLREIRKTEL  
 CPLLSDSEVEASLGIPHSSSSKENAWPTKSSMLSSVHFTASSVEYKSSNKQPKPTKQPRTRPPSTQA  
 LYPGPNQPIAPYQTRPPIPIICPTGCTCNLHINDLGLTVNCKERGFNNISELLPRPLNAKKLYLSSNLI  
 QKIYRSDFWNFSSDLLHLGNNRISYVQDGAFINLPNLKSLFLNGNDIEKLTGPMFRGLQSLHYLYFEFN  
 VIREIQAAAFSLMPNLKLLFLNNLLRTLPTDAFAGTSLARLNLKKNYFLYLPVAGVLEHLNAIVQIDLN  
 ENPWDCTCDLVPFKQWIETISSVSVDVLCRSPENLTHRDVRTIELEVLCPMLHVAPAGESPAQPQGS  
 HLI GAPTASPYEFSPPGGPVLSVLILSLLVLFSAVFVAAGLFAYVLRRRRKKLPFRSKRQEGVDLTG  
 IQMQCHRLFEDGGGGGGSGGGGRPTLSSPEKAPPVGHVVEYIHPVVTQMCNNPIYKPREEEVAVSSAQ  
 EAGSAERGGPGTQPPGMGEALLGSEQFAETPKENHSNYRTLLEKEKEWALAVSSSQLNTIVTVNHHHPH  
 PAVGGVSGVVGTTGGDLAGFRHHEKNGGVVLPFGGGCGSGSMLLDRERPQAPCTVGFVDCLYGTVPKL  
 KELHVHPPGMQYPLDQQDARLKETLLFSAGKGF TDHQTQKSDYLELRACLQTKPDYLEVLEKTTYRF

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

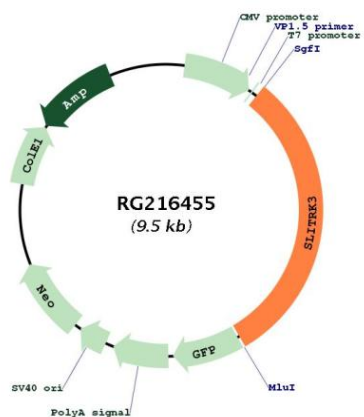


**ACCN:**

NM\_014926

|                               |  |
|-------------------------------|--|
| <b>ORF Size:</b>              | 2931 bp  |
| <b>OTI Disclaimer:</b>        | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>   |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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>RefSeq:</b>                | <a href="#">NM_014926.4</a>  |
| <b>RefSeq Size:</b>           | 4281 bp  |
| <b>RefSeq ORF:</b>            | 2934 bp  |
| <b>Locus ID:</b>              | 22865  |
| <b>UniProt ID:</b>            | <a href="#">O94933</a>   |
| <b>Cytogenetics:</b>          | 3q26.1   |
| <b>Domains:</b>               | LRRCT, LRR, LRR_TYP  |
| <b>Protein Families:</b>      | Transmembrane  |
| <b>Gene Summary:</b>          | 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] |

Product images:



Circular map for RG216455