

Product datasheet for **RC216455**

SLITRK3 (NM_014926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLITRK3 (NM_014926) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLITRK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC216455 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACCTTCCATAGCTGAGATGCTTACAGAGGAAGGATGTTGTGGATAATTCTTCTAAGCACAAATTG
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 ATGCTACTGTGAAGTTAAAGAAAGCCTCTTTCATATACATTGTGACAGTAAAGGATTTACAAATATTAGT
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 GACTGGAGCTTTCAATGGTCTTAAGATTTTAAAGAGACTATCTACATGAAAACAACTAGATGTCTTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216455 protein sequence
 Red=Cloning site Green=Tags(s)

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MKPSIAEMLHRGRMLWILLSTIALGWTTPIPLIEDSEEIDPCFDPYCEVKESLFHIIHCDSKGFNTNIS
QITEFWSRPFKLYLQRNSMRKLYTNSFLHLNNAVINLGNALQDIQTGAFNGLKILKRLYLHENKLDVF
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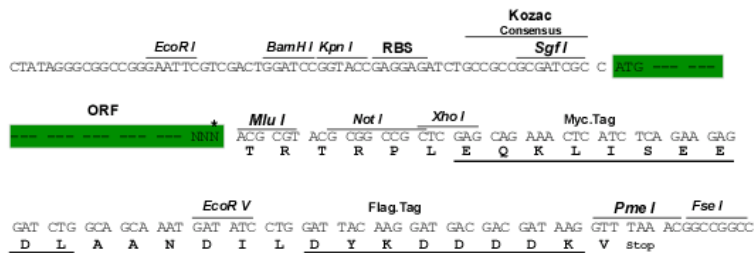
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6561_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



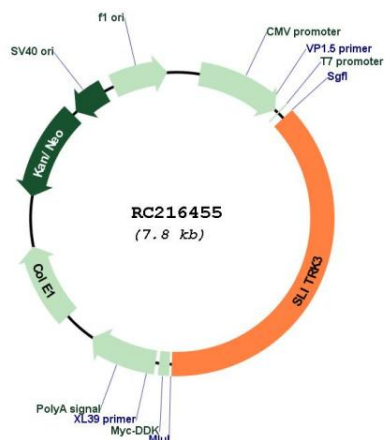
* The last codon before the Stop codon of the ORF

ACCN: NM_014926

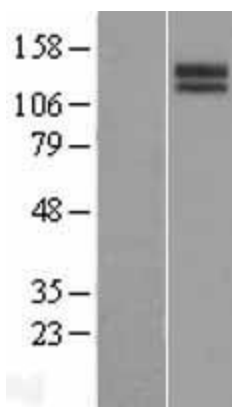
ORF Size: 2931 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_014926.4
RefSeq Size:	4281 bp
RefSeq ORF:	2934 bp
Locus ID:	22865
UniProt ID:	O94933
Cytogenetics:	3q26.1
Domains:	LRRCT, LRR, LRR_TYP
Protein Families:	Transmembrane
MW:	108.9 kDa
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]

Product images:



Circular map for RC216455



Western blot validation of overexpression lysate (Cat# [LY414933]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216455 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).