

Product datasheet for **RC226132**

ISLR2 (NM_001130138) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ISLR2 (NM_001130138) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ISLR2
Synonyms:	LINX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226132 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCCCCCTTCGGCCCTGTGGTTGGTCTGGGCGCTTCTAGGAGTGGCCGGATCATGCCCGAGCCGT
 GCGCCTGCGTGGACAAGTACGCTCACCAGTTCGCGGACTGCGCTTACAAAGAGTTGCGTGAGGTGCCGGA
 AGGACTGCCTGCCAACGTGACGACGCTTAGTCTGTCCGCAACAAGATCACTGTGCTGCGCGCGGGGCC
 TTCGCGACGTACACAGGTACGTCGCTGTGGCTGGCGACAATGAGGTGCGCACCGTGGAGCCAGGCG
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 CCCTGGGCGCGAGGCGGTCAACATCGCCAGGAGATTAATGGCAACTACAGGACAGCGGACGGC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence: >RC226132 protein sequence
Red=Cloning site Green=Tags(s)

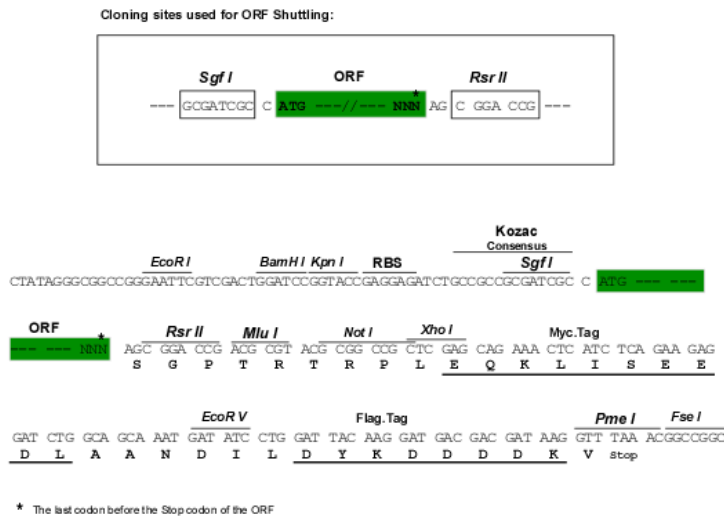
MFPLRALWLWVALLGVAGSCPEPCACVDKYAHQFADCAYPELREVPEGLPANVTTLSSLANKITVLRGA
 FADVTQVTSWLVAHNEVRTVEPGALAVLSQLKNLDLSHNFISSFPWSDLRNL SALQLLKMNNHRLGSLPR
 DALGALPDLRSLRINNRLRTLAPGTFDAL SALSHLQLYHNPFFHCGLVWLQAWAASRVSLEPDSIA
 CASPPALQGVVYRLPALPCAPPSVHL SAEPPLEAPGTPLRAGLAFVLHCIADGHPTPRLQWQLQIPGGT
 VVLEPPVLSGEDDGVGAEEGEGEGDGLLTQTQAQTPTPAPAWPAPPATPRFLALANGSLLVPLLSAKEA
 GVYTCRAHNELGANSTSIRVAVAAATGPPKHAPGAGGEPDQAPTSEKSTAKGRNSVLPSPKEGKIKGQ
 GLAKVSI LGETETEPEEDTSEGEAEQILADPAEEQRCGNGDPSRYVSNHAFNQSAELKPHVFELGVIA
 LDVAEREARVQLTPLAARWGP GPGGAGGAPRGRRLRLLYLCPAGGAAVQWSRVEEGVNAWFRGLRP
 GTNYSVCLALAGEACHVQVVFSTKKELPSLLVIVAVSVFLLVLATVPLLGAACCHLLAKHPKPYRLILR
 PQAPDPMEKRIAADFDPRASYLESEKSY PAGGEAGGEEPEDVQGEGLDEDAEQGDPSGDLQREESLAACS
 LVESQSKANQEEFEAGSEYSDRLPLGAEAVNIAQEINGNYRQTAG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8010_e02.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



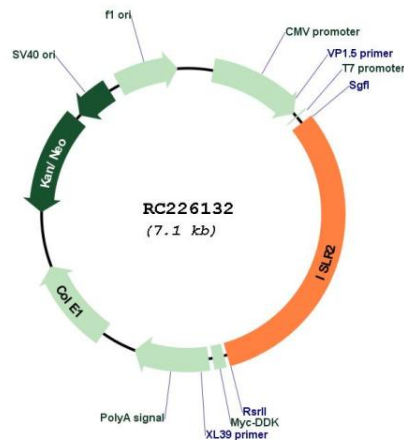
ACCN: NM_001130138

ORF Size: 2235 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:	<u>NM_001130138.1, NP_001123610.1</u>
RefSeq Size:	4277 bp
RefSeq ORF:	2238 bp
Locus ID:	57611
UniProt ID:	<u>Q6UXK2</u>
Cytogenetics:	15q24.1
Protein Families:	Druggable Genome, Transmembrane
MW:	79 kDa
Gene Summary:	Required for axon extension during neural development.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC226132