

Product datasheet for **RC219180**

LRRC3 (NM_030891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC3 (NM_030891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC3
Synonyms:	C21orf30; C21orf102; LRRC3DN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219180 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGCACCGTGCGCCACCTCGCCCCTCGCTCCTGCTGGTCTCCACCCGGGAGTCTTGCTCTTCCTCC
TCTTCTGCCTGCACCTGGGCGCCGCTGCCACAGCCCTGCCGGTGCCCTGACCACGCAGGGGCTGTGGC
TGTCTTCTGCAGTTGCGGGGCTTCAGGAGGTCCCCGAGGACATCCCGCCAACACCGTCTCTGAAG
CTCGATGCCAACAAAGATCTCCACCTCCCGACGGGGCTTCAGCACCTGCACCGGCTCAGGGAGCTGG
ATCTGTCTCACAACGCCATCGAGGCCATCGGCTCCGCCACCTTCGCGGGCTGGCCGGGGGCTGCGGCT
GCTGGACCTGTCTTACAACCGCATCCAGAGGATCCCCAAGGACGCGCTGGGCAAACTCAGCGCCAAGATA
CGCCTGTCCCACAACCCCTGCACTGCGAGTGCGCCCTGCAGGAGGCCCTGTGGGAGCTGAAGCTGGACC
CCGACTCTGTGGACGAGATCGCCTGCCACACCTCAGTGCAGGAGGAGTTTGTGGGAAGCCTCTGTTCA
GGCTCTGGATGCGGGTGCCAGCCTCTGCAGCGTCCCCACAGGACCACAGACGTGGCCATGCTGGTCACC
ATGTTGCGCTGGTTGCCATGGTGATCGCTACGTCGTGTACTATGTGCGCCACAACCAGGAGGATGCC
GGAGGCACCTGGAGTACCTGAAGTCTCTGCCAGCGCCCCGCTCCAAGGACCCATCGGCCGGGGCC
C

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219180 protein sequence
 Red=Cloning site Green=Tags(s)

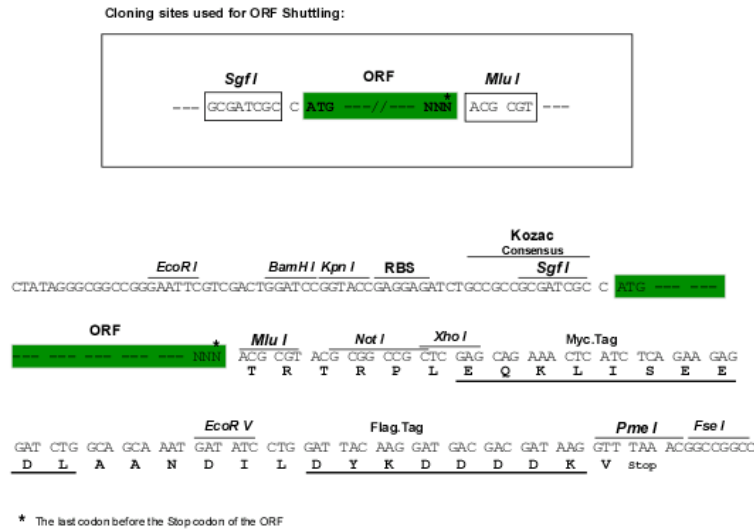
MGTVRPPRPSLLLSTRESCLFLLFCLHLGAACPQPCRPCDHAGAVAVFCSLRGLQEVPEIPANTVLLK
 LDANKISHLPDGAFAHLHRLRELDLSHNAIEAIGSATFAGLAGGLRLDL SYNRIQRI PKDALGKLSAKI
 RL SHNPLHCEALQEALWELKLPDSVDEIACHTSVQEEFVGKPLVQALDAGASLCSVPHRTT DVAMLVT
 MFGWFAMVIAYV VYVRHNQEDARRHLEYL KSLPSAPASKDPIGP GP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6443_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030891

ORF Size: 771 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_030891.6](#)

RefSeq Size: 2520 bp

RefSeq ORF: 774 bp

Locus ID: 81543

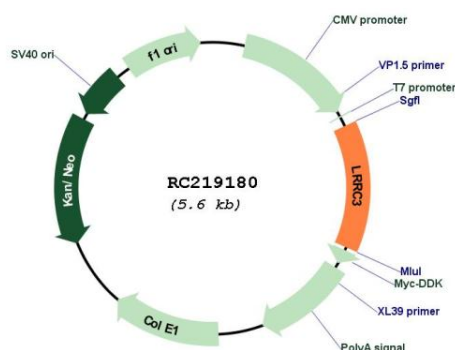
UniProt ID: [Q9BY71](#)

Cytogenetics: 21q22.3

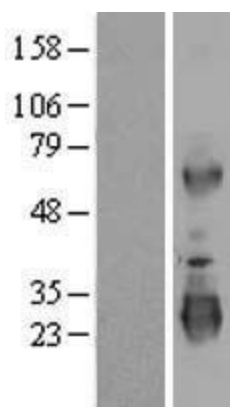
Protein Families: Transmembrane

MW: 28.1 kDa

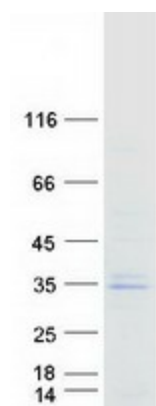
Product images:



Circular map for RC219180



Western blot validation of overexpression lysate (Cat# [LY410679]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219180 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRC3 protein (Cat# [TP319180]). The protein was produced from HEK293T cells transfected with LRRC3 cDNA clone (Cat# RC219180) using MegaTran 2.0 (Cat# [TT210002]).