

Product datasheet for RC208636

LRRC59 (NM_018509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC59 (NM_018509) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC59
Synonyms:	p34; PRO1855
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208636 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAAGGCCGGTAGCAAGGGCGGGAACCTCCGCGACAAGCTGGACGGCAACGAACCTGGACCTGAGCC
TCAGCGACCTGAATGAGGTCCCGGTGAAGGAGCTGGCTGCCCTTCCAAGGCCACCATCTGGATCTGTC
TTGTAATAAACTGACTACTCTACCGTCGGATTTCTGTGGCCTCACACACCTGGTGAAGCTAGACCTGAGT
AAGAACAAGCTGCAGCAGCTGCCAGCAGACTTTGGCCGTCTGGTCAACCTCCAGCACCTGGATCTCCTCA
ACAACAAGCTGGTCACCTTGCCTGTCAGCTTTGCTCAGCTCAAGAACCTGAAGTGGTTGGACCTGAAGGA
TAACCCCTGGATCCTGTCTGGCCAAGGTGGCAGGTGACTGCTTGGATGAGAAGCAGTGTAAAGCAGTGT
GCAAACAAGGTGTTACAGCACATGAAGGCCGTGCAGGCAGATCAGGAGCGGGAGAGGCAGCGCGGCTGG
AAGTAGAAGCTGAGGCAGAGAAGAAGCGTGAGGCTAAGCAGCGAGCTAAGGAAGCTCAGGAGCGGGAAC
GCGGAAGCGGGAGAAGGCCGAAGAGAAGGAGCGCCGGAGAAGGAGTATGATGCCCTCAAAGCAGCCAAG
CGGGAGCAGGAGAAGAACTAAGAAGGAAGCAATCAGGCCCGAAATCTAAGTCTGGCTCCCGTCCCC
GCAAGCCACCACCCGGAAGCACACTCGTTCCTGGGCTGTGCTGAAGCTGCTGCTGCTGCTGCTGCTATT
TGGTGTGGCGGGAGGGCTGGTTGCTTGTGCGGTGACAGAGCTGCAGCAGCAGCCCTCTGCACCAGCGTG
AACACCATCTATGACAATGCGGTCCAGGGTCTACGCCCCATGAGATCCTCCAGTGGTCCCTCCAGACCG
ACTCTCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208636 protein sequence
Red=Cloning site Green=Tags(s)

MTKAGSKGGNLRDKLDGNELDLSDLNEVPVKELAAALPKATILDLSKNKLTTLPSDFCGLTHLVKLDLS
 KNKLQQLPADFGRLVNLQHLDLLNNKLVLPVSFAQLKNLKWLDLKNPLDPVLAKVAGDCLDEKQCKQC
 ANKVLQHMKAQADQERERQRRLEVEREAEEKKREAKQRAKEAQERELRKREKAEKERRRKEYDALKAAK
 REQEKPKKEANQAPKSKSGSRPRKPPPRKHTRSWAVLKLLLLLLLLFGVAGGLVACRVTELQQQLCTSV
 NTIYDNAVQGLRRHEILQWVLQTDSQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6771_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018509

ORF Size: 921 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.

RefSeq: [NM_018509.4](#)

RefSeq Size: 2933 bp

RefSeq ORF: 924 bp

Locus ID: 55379

UniProt ID: [Q96AG4](#)

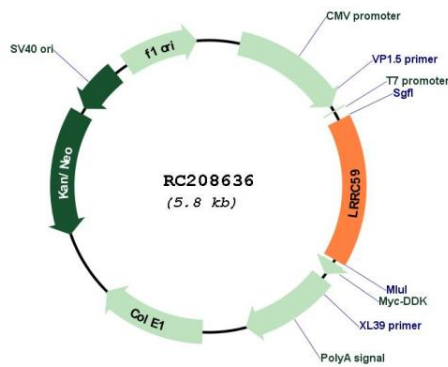
Cytogenetics: 17q21.33

Protein Families: Transmembrane

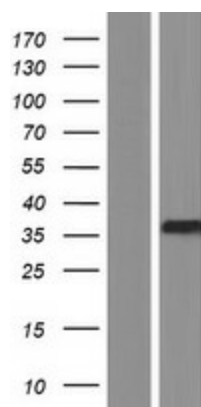
MW: 34.9 kDa

Gene Summary: Required for nuclear import of FGF1, but not that of FGF2. Might regulate nuclear import of exogenous FGF1 by facilitating interaction with the nuclear import machinery and by transporting cytosolic FGF1 to, and possibly through, the nuclear pores.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208636



Western blot validation of overexpression lysate (Cat# [LY413012]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208636 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).