

Product datasheet for **RC210927**

LRRC41 (NM_006369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC41 (NM_006369) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC41
Synonyms:	MUF1; PP7759
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC210927 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCCCGAGGCCTGGCGCGCCCGAGTTGCTGTTCTGTGAGGTAGCGCGGCAACGACCATGG
 AGGCCACGTCCCGGAGGCGCGCCAGCGAAGAGCTCGGCCTCGGCCCAACGCTCCCGCGCCCTGTT
 CGAGCTGTGCGGGCGGGCGGTGAGCGCCATATGGGGTTCTGGAGAGCGGGGTGTGGGCCCTCCAGGC
 CCAATACTTCAAAGCATCTACCTCTGCTCAATATATATACTTGGAGAGGATTGAGGAACTGCCCTCA
 AGAAAGGCCTCTCAACTCAGGCCATCTGGCGCGACTCTGGGATGAACTGATGAAGACAAGGCCTCCAG
 TTTGAAAGTGTGACATGTTGGCGAGCCAAGTTTATGGAGGCCTTTTTTCCCATGTTCTACGTGGGACC
 ATTGATGTGCTTCTGACAGGCTCTTTGTGATCAGCGGTTCTCACCTCTTCTGCACAGCTCCCGCCATG
 TCCGACAGCTCACCATCTGTAACATGCTGCAGGGTGAACCGAGCTGGTGGCTGAGCCCAACCGCAGGGT
 TCTGGAGACCCTGGCCAGCTCCCTGCACACTCTCAAGTTCGCCACCTGCTGTTCTCTGATGTGGCTGCT
 CAGCAGTCACTTCGGCAGCTGTTGCATCAGCTCATTACCATGGGGCTGTCAAGTGTGCTGCTATACT
 CCTGGCCTGTGCCTGAGTCAGCCCTTTTCATCCTTATTCTCACCATGAGTGTGGCTTCTGGCAACCAGG
 GCCTGGTGGCCACCCTGCCCTCTGTGGAGAGGCCTCCCGAGGCCGGGCCCATCCCGAGATGAAGGG
 TCCCTCTATTGGGCTCAGTCGGCCCCGCCGGGATGCTGCTGAGCGATGTGCTGCAGCCCTGATGGCCA
 GCCGGCGTAAGAGTGAAGCAAGCAGATGCCAGAGCTGCACCTGCCACTCGGGTAAACACGCCGGAGCAC
 ACAGGAGAGCCTGACAGCAGGCGGAACAGACCTTAAGAGGGAGCTGCACCCCGAGCCACCTCCCATGAG
 GCTCCTGGCACCAGCGGTACCTTCTGCTCCAGCAGCCACCTCCTCTGCCTCTTCTTCTACACTCTCAT
 ACAAACGGGCACCAGCTAGCTCAGCCCCACAGCCTAAGCCCTAAAGCGTTTCAAGCGAGCTGACGGGAA
 GAAGGGTCTCGCACCCGTCAGGGGCTGGTGCAGAGTCTGAAGACCTGTATGACTTCGTTTTTATTGTG
 GCTGGCGAGAAGGAGGATGGCGAAGAGATGGAGATTGGGGAAGTGGCTTGTGGAGCTTGGATGGATCAG
 ATCCAGCTGCCTGGGGCTTCCAGCACTGGAAGCTTCAAAAGATTCCGCAGCATCTCCACCTTGGAGCT
 ATTCACAGTTCACCTCTCCACAGAGGCAGCCCTGACACTATGCCACCTGCTGAGCTCCTGGGTGTCAGT
 GAGAGCCTCACACTCTCTACAATGGCCTGGGCTTAACATCTCCGCCTGCTAGACAGCCTGCGGGCCC
 TGTGAGCCAGGCTGGATGTGCCTCCGTGCCCTGCATCTCAGTGACCTGTTCTCACCACTGCCCATCT
 GGAGCTGACACGTGCTATCGTGCAGCACTGCCCTGCTACGGGTCTCTCTATTCTGTTGACCACCCA
 AGCCAGCGGGACAACCCTGGTGTGCCAGGGAATGCAGGGCCCCTAGCCACATAATAGGCGATGAGGAGA
 TACCAGAAAACCTGCCTGGAGCAGTTGGAGATGGGATTTCCACGGGAGCCAGCCAGCCCACTGCTGTG
 CTCCATTTCTGAAGGCCTCGGGTTCTCTGCAGCAGCTGTCCTGGATAGTGCCACCTTTGCCCTCTCCCGAG
 GATTTTGGGCTTGTGTTGCAAACACTCAAAGAGTACAACCTAGCCCTGAAAAGACTGAGCTTCCATGACA
 TGAATCTCGTACTGTGAGAGCGAGGTGCTCTTTTGTACAGAATCTGACTCTGCAAGAGATTACCTT
 CTCCTTCTGCCGTCTGTTTGAGAAGCGCCAGCCCAATTTCTGCCTGAGATGGTTGCTGCTATGAAGGGC
 AACTCCACACTGAAGGGCCTCCGGCTGCCAGGGAACCGCTGGGGAATGCTGGCCTGCTGGCCTTGGCAG
 ATGTTTTCTCAGAGGATTCATCTCTCTCTGTGCTGAGCTGGACATCAGTCCAACCTGCATCAAGCCAGA
 TGGGCTTCTGGAGTTCGCCAAGCGGCTGGAGCGCTGGGGCCGTGGAGCCTTTGGTCACTGCGCCTCTTC
 CAAAACCTGGCTGGACCAGGATGCAGTACAGCCAGGGAAGCCATCCGGCGGCTCCGGGCTACCTGCCATG
 TGTTAGCGACTCATGGACTCATCCAGGCCTTGCAGATTATGTTAGCACCATG

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210927 protein sequence
Red=Cloning site Green=Tags(s)

MAAPEAWRARSWFCEVAAATTMEATSREAAPAKSSASGPNAPPALFELCGRAVSAHMGVLESGVWALPG
PILQSIPLLLNIYYLERIEETALKKGLSTQAIWRRWLDELKTRPSSLESVTCWRAKFMEAFFSHVLRGT
IDVSSDRRLCDQRFSPLLHSSRHVRQLTICNMLQGATELVAEPNRRVLETLASSLHTLKFRHLLFSDVAA
QQSLRQLLHQLIHHGAVSQVSLYSWPVESALFILILTMSAGFWQPGPGGPPCRLCGEASRGRAPSRDEG
SLLLGSRRPRDAAERCAAALMASRRKSEAKQMPRAAPATRVTRRSTQESLTAGGTDLKRHLHPPATSHE
APGTRSPSAPAATSSASSTSSYKRAPASSAPQPKPLKRFKRAAGKKGARTRQGPAGESEDLYDFVIV
AGEKEDGEEMEIGEACGALDGDPSCLGLPALEASQRFRSISTLELFTVPLSTEAAALTLCHLLSSWVSL
ESLTLSYNGLGSNIFRLLDSLRLSGQAGCRLRALHLSDFSPLELTRAIVRALPLLRVLSIRVDHP
SQRDNPGVPGNAGPPSHIIGDEEIPENCLEQLEMGFPRGAQPAPLLCSILKASGSLQQLSLDSATFASPQ
DFGLVLQTLKEYNLALKRLSFHDMNLADCQSEVLFLLQNLTLQEITFSFCRLF EKRPAAQFLPEMVAAMKG
NSTLKGLRPLGNRLGNAGLLALADVFSEDSSSLQQLDISNCKIPDGLLEFAKRLERWGRGAFGHLRLF
QNWLDQDAVTAREAIRRLRATCHVVSDSWDSSQAFADYVSTM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6692_g12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_006369

ORF Size: 2436 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_006369.4](#), [NP_006360.3](#)

RefSeq Size: 2960 bp

RefSeq ORF: 2439 bp

Locus ID: 10489

UniProt ID: [Q15345](#)

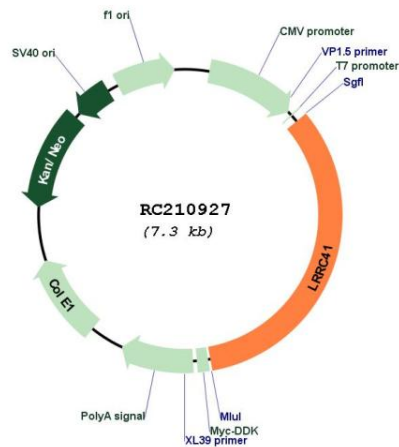
Cytogenetics: 1p34.1-p33

Domains: LRR_RI

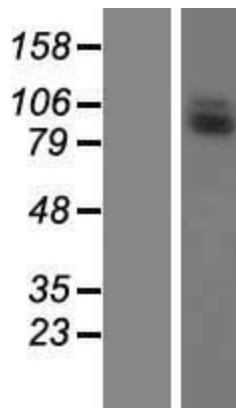
MW: 88.7 kDa

Gene Summary: Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.[UniProtKB/Swiss-Prot Function]

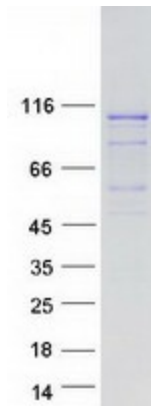
Product images:



Circular map for RC210927



Western blot validation of overexpression lysate (Cat# [LY416688]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210927 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRC41 protein (Cat# [TP310927]). The protein was produced from HEK293T cells transfected with LRRC41 cDNA clone (Cat# RC210927) using MegaTran 2.0 (Cat# [TT210002]).