

Product datasheet for SC120536

LRPPRC (NM_133259) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRPPRC (NM_133259) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRPPRC
Synonyms:	CLONE-23970; GP130; LRP130; LSFC; MC4DN5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120536 sequence for NM_133259 edited (data generated by NextGen Sequencing)

```

ATGGCAGCCCTGCTGAGATCCGCGCGTTGGTTGCTGCGTGCCGGGGCGGCCCCGCGCCTC
CCGCTCTCCCTGCGCCTCCTCCCTGGCGGCCCGGCGCGCTGCATGCCGCTCCTATCTG
CCCGCCGCTCGCGCCGGGCGCCGTGGCCGGAGGACTACTGAGCCCAGCCAGGCTGTATGCC
ATTGCTGCCAAAGAAAAAGATATTCAAGAGGAGTCCACTTTTTCTCTAGGAAGATTTCC
AATCAGTTTGATTGGGCTCTAATGAGACTAGATCTTTCTGTTTGAAGAACTGGCCGCATT
CCAAAGAAGCTTCTACAAAAAGTTTTAATGATACCTGCCGCTCAGGTGGCCTAGGTGGT
AGTCATGCCTTGCTTCTACTACGTAGTTGTGGTTCTCTTGCCTGAACTAAAGCTTGAA
GAGAGAACAGAAATTTGCTCATAGGATATGGACACACTTCAGAAATTAGGTGCTGTGTAT
GATGTGAGTCACTATAATGCTTTACTTAAAGTCTATCTTCAAAATGAATATAAATTCTCA
CCAACTGATTTCTGGCAAAAATGGAGGAAGCAACATTCAACCAATCGAGTGACATAC
CAGAGATTGATTGCTTCTTATTGTAATGTAGGAGATATTGAAGGTGCCAGCAAGATTCTT
GGATTTATGAAAATAAGGATCTCCAGTTACAGAGGCAGTATTCAAGTGCCTTGTGACA
GGGCATGCCAGAGCTGGTGATATGGAGAATGCAGAAAACATTCTCACAGTGATGAGAGAT
GCCGGAATTGAGCCTGGTCCAGACACATACCTCGCATTATTGAATGCATATGCTGAGAAG
GGCGACATTGACCATGTTAAGCAGACTCTGGAGAAGGTGGAGAAGTCCGAGCTTCACCTT
ATGGACCGTGATTTACTGCAAATTTTTAGCTTCAGTAAAGCTGGGTATCCTCAGTAT
GTCTCAGAAATTTTGAAAAAGTTACATGTGAAAGAAGATATATCCAGATGCAATGAAC
CTCATTTTACTTTTAGTCACTGAAAAATTGGAAGATGTAGCGTTGCAGATTTTACTAGCA
TGCCCCGTATCAAGGAAGATGGCCCAAGTGCTTTGGCAGTTTCTTTTACAACACTGT
GTGACTATGAATACGCCTGTGGAGAAGCTAACAGACTACTGTAAGAAGTTAAAGGAAGTC
CAGATGCACTCCTTCTCTGCAGTTCACCTCCATTGTGCTTTACTCGCCAATAAACT
GATTTGGCAAAAGCCTTAATGAAGGCTGTGAAGGAGGAAGTTTTCTATCAGACCTCAC
TATTTCTGGCATTGCTAGTTGGACGTCGGAAGGAAAAAATGTTCAAGGTATAATTGAA
ATCCTCAAAGGAATGCAAGAATTGGGAGTACATCCTGATCAGGAAACATATACAGATTAT
GTGATTCCATGCTTTGATAGTGAAACTCAGCACGAGCCATTTTGCAGGAAAATGGATGT
  
```



[View online »](#)

CTGTCTGATAGTGATATGTTTTCTCAAGCTGGATTGAGAAGTGAAGCAGCAAATGGGAAC
 TTAGACTTTGTATTATCATTTTTGAAATCAAATACATTGCCATCTCGCTGCAGTCTATA
 AGAAGTAGCCTACTGCTAGGCTTCAGGAGGTCTATGAATATAAATCTTTGGAGCGAGATA
 ACAGAATTGTTGTACAAGGATGGACGTTATTGCCAGGAGCCTCGAGGACCGACGGAAGCT
 GTTGGCTATTTTTCTTTATAACTTGATTGACAGCATGAGTACTCAGAGGTACAGGCCAAG
 GAGGAGCATTGAGACAATACTTCCATCAGCTGGAGAAGATGAATGTAAAAATTCCTGAA
 AATATCTACAGAGGCATTGTAATCTCCTGGAAAGCTACCATGTTCTGAATTGATTAAG
 GATGCTCACTTGTGGTTGAGAGTAAGAATTTAGACTTTCAAAAACTGTGCAACTTACA
 TCATCTGAATTGGAGTCCACACTTGAAACACTAAAAGCTGAAAATCAACCTATAAGAGAT
 GTCCTAAAGCAACTCATATTAGTGCTTTGTTTCAGAAGAGAATATGCAAAAAGCCCTTGAA
 TTGAAAGCAAAATATGAATCCGACATGGTTACTGGTGGCTATGCAGCTTTAATAAATTTA
 TGCTGTCGACATGATAAAGTAGAAGATGCCTTGAACCTGAAAGAAGAATTTGACCGCTTA
 GATTCATCTGCTGCTTACACCGGCAAGTATGTAGGCCTTGAAGAGTATTGGCAAAG
 CATGGCAAGCTCCAAGATGCTATTAACATTCTGAAGGAGATGAAAGAGAAGGATGTTCTT
 ATCAAAGATACAACAGCCTTGCTCTTTTCCACATGCTAAATGGCGCAGCTTTAAGAGGT
 GAAATTGAAACAGTAAACAGTTGCATGAAGCCATCGTGAAGTCTAGGGTTAGCAGAACCA
 TCCACCAACATAAGTTTCCCGTTGGTCACTGTACACTTGAAAAGGGCGACCTATCTACT
 GCTCTTGAGGTGCCATTGACTGCTATGAAAAGTATAAAGTATTACCAAGGATTCATGAT
 GTCTTGTGTAAACTGGTAGAGAAAGGCGAGACTGATCTAATTCAGAAAGCAATGGACTTT
 GTGAGCCAAGAACAAGGTGAAATGGTGATGCTCTATGATCTCTTCTTTCCTTCTCTACAA
 ACAGGAAATTACAAGAGGCCAAGAAGATCATTGAGACTCCAGGGATTAGAGCTCGATCT
 GCAAGGCTTCAGTGGTTTTGTGACAGATGTGTTGCAAATAATCAGGTTGAAACTCTGGAA
 AAATTAGTGGAGCTGACACAGAAGCTATTTGAATGTGATAGAGACCAGATGTACTACAAT
 CTGCTAAACTGTATAAAATAAACGGTGACTGGCAAAGAGCTGATGCAGTCTGGAATAAA
 ATCCAAGAAGAAAATGTTATTCCTCGTGAAGAGCATTAAAGATTATTAGCAGAAATCCTT
 AGAGAGGGTAACCAAGGAAGTTCCGTTTGACGTACCTGAGTTGTGGTATGAAGATGAAAAA
 CATTCCCTGAATTCTTCGTCAGCCTCAACCACAGAACCTGATTTCCAGAAAGATATATTG
 ATTGCCTGCCGATTGAACCAAAAAAAGGGGCATATGATATTTTCTGAATGCAAAAGAG
 CAAAACATTGTGTTAATGCTGAAACCTACAGCAATCTCATTAAATTACTGATGTCAGAA
 GATTATTTTACACAAGCAATGGAAGTGAAGCATTGCGGAGACCCACATCAAGGGCTTC
 AACTGAACGATGCTGCCAACAGCCGCTCATCATAACGCAAGTTAGGCGGGATTATTTG
 AAAGAGGCTGTGACAACACTGAAAACAGTATTGGATCAGCAGCAGACCCCTTCTAGGTTA
 GCAGTGACCCGTGTCATCCAGGCATTGGCCATGAAGGGTGATGTTGAAAACATAGAAGTA
 GTTCAGAAGATGTTAAATGGACTCGAAGACTCCATTGGACTTTCAAAAATGGTTTTTCATC
 AATAACATTGCTTTGGCTCAAATAAAGAATAATAACATAGATGCCGCAATAGAAAACATT
 GAAAAATGCTTACTTCAGAGAAATAAAGTCATTGAACCCCAATACTTCGGCTTGGCATA
 TTATTCAGAAAAGTAATAGAGGAGCAGTTGGAACCAGCAGTTGAAAAGATAAGCATCATG
 GCGGAGAGATTGGCCAATCAGTTTGCAATTTATAAACCTGTCACTGATTTTTTCTTCAA
 CTTGTGGATGCAGGCAAGGTGGATGATGCCAGAGCTCTCCTACAGAGATGTGGTGAATT
 GCTGAACAAACCCGATTTTGTGTTGTTCTCCTTAGGAATTCTAGGAAACAAGGAAAG
 GCATCAACTGTGAAATCTGTGTTAGAATTGATTCTGAATTAAATGAAAAGGAAGAGCA
 TACAATTCCTCATGAAAAGCTATGTCTCAGAGAAAGATGCACATCTGCTAAAGCACTG
 TATGAACATTTGACTGCAAAGAATACAAAATTGGATGATCTGTTTCTAAAGCGTTACGCA
 TCTTTGCTGAAGTATGCTGGAGAGCCTGTCCCTTTCATTGAACCCCTGAAAGCTTTGAA
 TTTTATGCACAGCAGCTAAGAAAATTGAGGGAAAACCTCTCTTGA

Clone variation with respect to NM_133259.3
 1068 a=>g;2481 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_133259 unedited
 NGGTCAAAAATTGTAAACGACTCATATAGGCGGCCGCGAAATCGGCACGAGGCTTCCCGC
 TGGGGGACGTTTCGAGCAATGGCAGCCCTGCTGAGATCCGCGCGTTGGTTGCTGCGTGCC
 GGGGCGGCCCCGCGCCTCCCGCTCTCCCTGCGCCTCCTCCCTGGCGGCCCGGGCCGGCTG
 CATGCCGCTCTATCTGCCCCGCGCTCGCGCCGGGCCGTGGCCGGAGGACTACTGAGC
 CCAGCCAGGCTGTATGCCATTGCTGCCAAAGAAAAAGATATTCAAGAGGAGTCCACTTTT
 TCTTCTAGGAAGATTTCCAATCAGTTTGATTGGGCTCTAATGAGACTAGATCTTTCTGTT
 CGAAGAACTGGCCGATTCCCAAAGAAGCTTCTACAAAAAGTTTTTAATGATACCTGCCGC
 TCAGGTGGCCTAGGTGGTAGTCATGCCTTGCTTCTACTACGTAGTTGTGGTTCTCTCTTG
 CCTGAACTAAAGCTTGAAGAGAGAACAGAATTTGCTCATAGGATATGGGACACACTTCAG
 AAATTAGGTGCTGTATGATGTGAGTCACTATAATGCTTTACTTAAAGTCTATCTTCAA
 AATGAATATAAATTCACCAACTGATTTCTGGCAAAATGGAGGAAGCAAACATTCAA
 CCAATCGAGTGACATACCAGAGATTGATTGCTTCTTATTGTAATGTANGAGATATTGAA
 GGTGCCAGCAAGATTCTGGATTATGAAAATAAGGATCTCCAGTTACAGAGGCAGTA
 TTCAGTGCCCTTGTGACAGGGCATGCCAGAGCTGGTGATATGGNAGATGCAGAAACATTC
 TCACAGTGATGAGAGAATGCCGAAATGAGCCTGGTCCAGAACATACCTCGCATTATNGAA
 TGCATATGCTGAGAAGGNGCAGATGACCATGNTAAGCAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_133259 unedited
 NTTAGCTCTGGACCCGCGGCCGAATCTAGNATCGAGTTTTTTTTTTTTTTTTTAAAA
 AAAATTTCAATTTATTTTCCCTCAGATTACTTCAAATACATGTAGACACAGAATCACAA
 ATATATACAAAACAAAGTATCGCCTGGTTATTTCAAGAAGAGTTTTCCCTCAATTTTCTT
 AGCTGCTGTGCATAAAATTCAAAGCTTTCAGGGGGTTCAATGAAAGGGACAGGCTCTCCA
 GCATACTTCAGCAAAGATGCGTAACGCTTTAGAAACAGATCATCCAATTTTGTATTCTTT
 GCAGTCAAATGTTCATACAGTGCTTTAGCAGATGTGACATCTTTCTCTGAGACATAGCTT
 TTCATGAGGGAATTGTATGCTTCTTCTTTTCAATTAATTCAGGAATCAATTTCTAACACA
 GATTTTCACAGTTGATGCCTTTCTTCTTTTCAATTAATTCAGGAATCAATTTCTAACACA
 ATCGGGGTTTGTTCAGCAATTGCACCACATCTCTGTAGGAGAGCTCTGGCATCATCCACC
 TTGCCTGCATCCACAAGTTGAAGGAAAAAATCAGTGACAGGTTTATAAATTGCAAATGGA
 TTGGCCAATCTCTCCGCCATGATGCTTATCTTTTCAACTGCTGGTTCCAATGCTCCTCT
 ATTACTTTTCTGAATAAGTATGCCAAGCCGAAGTATTGGGGTTCAATGACTNTATTCTCT
 GAAGTAAGCATATTTCAATGTTTTCTATTGCGGCATCTATGNTACTATTCTTTATTTGA
 GCCCAAAGCATGTTATTGATGAAAACCATCTTTGAAAGTCCAATGGNAGTCTCGAGTCCC
 ATTAACATCCTCTGAACTACTTCTATGTTTTACATCACCTTCATGCCATGCCTGNATG
 ACACGGTC

Restriction Sites:

NotI-NotI

ACCN:

NM_133259

Insert Size:

4470 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_133259.2 , NP_573566.2
RefSeq Size:	5095 bp
RefSeq ORF:	4185 bp
Locus ID:	10128
UniProt ID:	P42704
Cytogenetics:	2p21
Domains:	PPR
Gene Summary:	This gene encodes a leucine-rich protein that has multiple pentatricopeptide repeats (PPR). The precise role of this protein is unknown but studies suggest it may play a role in cytoskeletal organization, vesicular transport, or in transcriptional regulation of both nuclear and mitochondrial genes. The protein localizes primarily to mitochondria and is predicted to have an N-terminal mitochondrial targeting sequence. Mutations in this gene are associated with the French-Canadian type of Leigh syndrome. [provided by RefSeq, Mar 2012]