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Product datasheet for SC116699

LRRC32 (NM_005512) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC32 (NM_005512) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC32
Synonyms:	CPPRDD; D11S833E; GARP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_005512, the custom clone sequence may differ by one or more nucleotides

ATGAGACCCCAGATCCTGCTGCTCCTGGCCCTGCTGACCCTAGGCCTGGCTGCACAACACCAAGACAAAG
TGCCCTGTAAGATGGTGGACAAGAAGGTCTCGTGCCAGGTTCTGGGCCTGCTCCAGGTCCCCTCGGTGCT
CCCGCCAGACACTGAGACCCTTGATCTATCTGGGAACCAGCTGCGGAGTATCCTGGCCTCACCCCTGGGC
TTCTACACAGCACTTCGTCACCTGGACCTGAGCACCAATGAGATCAGCTTCCTCCAGCCAGGAGCCTTCC
AGGCCCTGACCCACCTGGAGCACCTCAGCCTGGCTCACAACCGGCTGGCGATGGCCACTGCGCTGAGTGC
TGGTGGCCTGGGCCCCCTGCCACGCGTGACCTCCCTGGACCTGTCTGGGAACAGCCTGTACAGCGGCCTG
CTGGAGCGGCTGCTGGGGGAGGCACCCAGCCTGCATACCCTCTCACTGGCGGAGAACAGTCTGACTCGCC
TCACCCGCCACACCTTCCGGGACATGCCTGCGCTGGAGCAGCTTGACCTGCATAGCAACGTGCTGATGGA
CATCGAGGATGGCGCCTTCGAGGGTCTGCCCCGCCTGACCCATCTCAACCTCTCCAGGAATTCCCTCACC
TGCATCTCCGACTTCAGCCTCCAGCAGCTGCGGGTGCTAGACCTGAGCTGCAACAGCATCGAGGCCTTTC
AGACGGCCTCCCAGCCCCAGGCTGAGTTCCAGCTCACCTGGCTTGACCTGCGGGAGAACAAACTGCTCCA
TTTCCCCGACCTGGCCGCGCTCCCGAGACTCATCTACCTGAACTTGTCCAACAACCTCATCCGGCTCCCC
ACAGGGCCACCCCAGGACAGCAAGGGCATCCACGCACCTTCCGAGGGCTGGTCAGCCCTGCCCCTCTCAG
CCCCCAGCGGGAATGCCAGCGGCCGCCCCCTTTCCCAGCTCTTGAATCTGGATTTGAGCTACAATGAGAT
TGAGCTCATCCCCGACAGCTTTCTTGAGCACCTGACCTCCCTGTGCTTCCTGAACCTCAGCAGAAACTGC
TTGCGGACCTTTGAGGCCCGGCGCTTAGGCTCCCTGCCCTGCCTGATGCTCCTTGACTTAAGCCACAATG
CCCTGGAGACACTGGAACTGGGCGCCAGAGCCCTGGGGTCTCTGCGGACGCTGCTCCTACAGGGCAATGC
CCTGCGGGACCTGCCCCCATACACCTTTGCCAATCTGGCCAGCCTGCAGCGGCTCAACCTGCAGGGGAAC
CGAGTCAGCCCCTGTGGGGGGCCAGATGAGCCTGGCCCCTCCGGCTGTGTGGCCTTCTCCGGCATCACCT
CCCTCCGCAGCCTGAGCCTGGTGGATAATGAGATAGAGCTGCTCAGGGCAGGGGCCTTCCTCCACACCCC
ACTGACTGAGCTGGACCTTTCTTCCAATCCTGGGCTGGAGGTGGCCACGGGGGCCTTGGGAGGCCTGGAG
GCCTCCTTGGAGGTCCTGGCACTGCAGGGCAACGGGCTGATGGTCCTGCAGGTGGACCTGCCCTGCTTCA
TCTGCCTCAAGCGGCTCAATCTTGCCGAGAACCGCCTGAGCCACCTTCCCGCCTGGACACAGGCTGTGTC
ACTGGAGGTGCTGGACCTGCGAAACAACAGCTTCAGCCTCCTGCCAGGCAGTGCCATGGGTGGCCTGGAG
ACCAGCCTCCGGCGCCTCTACCTGCAGGGGAATCCACTCAGCTGCTGCGGCAATGGCTGGCTGGCAGCCC
AGCTGCACCAGGGCCGTGTGGACGTGGACGCCACCCAGGACCTGATCTGCCGCTTCAGCTCCCAGGAGGA
GGTGTCCCTGAGCCACGTGCGTCCCGAGGACTGTGAGAAGGGGGGACTGAAGAACATCAACCTCATCATC
ATCCTCACCTTCATACTGGTCTCTGCCATCCTCCTCACCACGCTGGCCGCCTGCTGCTGCGTCCGCCGGC
AGAAGTTTAACCAACAGTATAAAGCCTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005512 unedited
TATCCCCCGCCCGTTGNCGCATAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCGCG
AATTCGGCACGAGGAGAGGAGCTGCGGCCGCGCTGAGCCAGAGCCATGAGACCCCAGATC
CTGCTGCTCCTGGCCCTGCTGACCCTAGGCCTGGCTGCACAACACCAAGACAAAGTGCCC
TGTAAGATGGTGGACAAGAAGGTCTCGTGCCAGGTTCTGGGCCTGCTCCAGGTCCCCTCG
GTGCTCCCGCCAGACACTGAGACCCTTGATCTATCTGGGAACCAGCTGCGGAGTATCCTG
GCCTCACCCCTGGGCTTCTACACGGCACTTCGTCACCTGGACCTGAGCACCAATGAGATC
AGCTTCCTCCAGCCAGGAGCCTTCCAGGCCCTGACCCACCTGGAGCACCTCAGCCTGGCT
CACAACCGGCTGGCGATGGCCACTGCGCTGAGTGCTGGTGGCCTGGGCCCCCTGCCACGC
GTGACCTCCCTGGACCTGTCTGGGAACAGCCTGTACAGCGGCCTGCTGGAGCGGCTGCTG
GGGGAGGCACCCAGCCTGCATACCCTCTCACTGGCGGAGAACAGTCTGACTCGCCTCACC
CGCCACACCTTCCGGGACATGCCTGCGCTGGAGCAGCTTGACCTGCATAGCAACGTGCTG
ATGGACATCGAGGATGGCGCCTTCGAGGGCCTGCCCCGCCTGACCCATCTCAACCTCTCC
AGGAATTCCCTCACCTGCATCTCCGACTTCAGCCTCCAGCAGCTGCGGGTGCTAGACCTG
AGCTGCACAGCATCGAGGCCTTTCAGACGGCTCCCAGCCCCAGCTGAGTCCAGCTCACCT
GGCTTGACCTGCGGNAGAACAACTGCTTCATTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005512 unedited
GGAATACTATGNACGCGGCCGCATTCTAGNATCGAGTTTTTTTTTTTTTTTTTTCTCCA
AAATTAGTTTTTAATACATTCAGGTAGGTTATACAAAGAGTTGGTCCCGAGGCCTGGGCT
GAGGCCTGGGCCCTGGGAAGTGACAGCAGCCCTGTGTAGTGTTTTCAAAGATCAGGCGTG
GGGACCCACACCTTGGCCTCCAGGCCTAAGGAGGAGTGTTACGTGCAGTAGCACCCGTGG
GTGTGATCCCAACCAGGACTGGGTCTGCCTGGGTGCTCCACACACCACCAGGGCCTAGCC
CTGGCTCTGCCCATTGACTCTCCCTTAACTTCCTCTGGGCCTTGGTGTTCTCCTCTGTAA
AATGGGGTGGAGAGAGTGGCATTTTCACTTTCTCGCACATTACTGAGCCCACATCATGAG
CCAGACTGTGGGCCAAGCACAGGTAAGATGATGAAGACAGCAAAACAAGGTCTTGAGTTG
GTCCCAGCACGTCCATTCTTCCCAGACACCTCATGACTCCCTGGTATGAGGGATGGGGGT
CATCTGGGTGAGGCTTTTTACCTGTTTTTGGAAGAGGAAAAAAGATCCTGCCTGATGAGG
CACAAAAAGGAAGTTTGGAGCCCCCATTATCTTGTGATGTGATAGCTGAGAAAAAGAATC
ACTTCTGGTGCAAACCCCCAACTTACCCCCAAAAAAGGGGTCTTTTTTCCCCCGAGCTCT
GTATAAGCTCTCCCCAATTTTAATTTCTTCCTAACCTCAGTTTCCCCATTTTTGCAAGGG
GGGAGGTGGTTTTCTATATCTTAAATCCAGGCTCTGGTTCTTTTGGGAAAAGGGATGGGA
GAATCCCGAACCCCTCAGGGACAGGGGAACCCCCCCCAGGGGGTGAAGGGAG

Restriction Sites: NotI-NotI

ACCN: NM_005512

Insert Size: 4500 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_005512.1, NP_005503.1

RefSeq Size: 4163 bp

RefSeq ORF: 1989 bp

Locus ID:	2615
UniProt ID:	Q14392
Cytogenetics:	11q13.5
Domains:	LRRNT, LRR, LRR_RI, LRR_TYP, LRR_PS
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a type I membrane protein which contains 20 leucine-rich repeats. Alterations in the chromosomal region 11q13-11q14 are involved in several pathologies. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1-4 all encode the same isoform (a).