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Product datasheet for MC223180

Lrrcc1 (NM_001163580) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrcc1 (NM_001163580) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrcc1
Synonyms:	1200008A14Rik; 4932441F23Rik; AI195358; AI447421
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC223180 representing NM_001163580
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCGGCGGTGTGTAGCGAAATCGAACGGGAGGATGGCGACAGCAGCTGCGGGGATGTGTGTTTCA
TGGACAAAGGCCTGCACAGTATATCAGAGTTATCTTTAGATTCATCCATTCATGCCATCAATTTGCATTG
TAATAACATCTCCAAGATCTCATCCATTGACCACATTTGGAACCTACGACATTTAGATCTGTCATCTAAT
CAAATAAGTCAAATTGAAGGCCTGAACACACTGACAAAGCTATGCACTTTAAATTTGTCCTGCAATTTGA
TCACAAGAGTGGAAGGACTTGAAGCACTGGTTAATCTGACTAAACTGAACTTGTCTTATAATCACATAAA
TGATCTTAGTGGGTTGATGCCCCTTCATGGACTAAAGTATAAACTTAGATATATTGACCTCCATAGTAAT
TATATAGATAGCATCCATCACTTACTTCAGTGTACAGTAGGATTGCACTTCCTAACCAATCTTATTTTAG
AGAAAGATGGAGAAGGTAATCCTATCTGCCTTATACCAGGGTACCGAGCAATCATTCTCCAGACTTTACC
ACAACTGAGAATCTTAGATTGCAAGAATATATTTGGAGAGCCAGTAAGCTTGGAAGAAATAAACTCATCC
CATCTACAGTGCTTAGAAGGACTTTTGGATAACTTAGTTTCTTCTGATTCCCCCCTGAATATAAGTGAAG
ATGAGGTCAATGATGATGTGTCAGCACCACCAATGGATGTGTTGCCTTCTTTGAAGGAATTTAAAAGTAC
ACCAGAAGACAATGTTTTAGCCTCACTTTTATCTGTGTGTCCATCTTCTGAACCAGAAAAAATTAATCAG
GAAAACGACTTTCAGAATGAGACTAATAATTCCTTAATAGATAATGTTCCTGAGAAAGACCTCAGACCAA
AAAGAGACACAGATATAACTTCTGAAAGTGACTATGGAAACAGAAGAGAGTGCAGCAGAAAAGTTCCCAG
GAGAACAAAAATCCCATATTATTCCAGAACTATTCAAACCATTAAGCACCACAATAAAAACAATGGTGCT
TTTGTAAGTTGTAATCGTAAAATGAGACAGCCTTACCTTAGAGATTTATATGTAAGATCATCTTTAGTAA
ACTGTAATAACTTACGAGACTTAGATGAGCAGAAGACTGGCGTAATTAAAGTAGACAAGAACTTCTCGGA
CAACAGCACCTACCGGTCCCTCGTGGAACAGTTAGACCAAGAGAGAGAGATGCGGTGGAAAGCTGAGCAA
ACGGAAAAGAAACTTATGGATTATATCGATGAGCTACATAAGCAAGCAGATGAGAAAAAAGATGTTCACA
GCCAGGCTCTCATTACCACAGATAGACTAAAGGATGCTATTTTTAAGGAGAGACATTGCAAGGCTCAACT
TGAAATTATAGTTCACAGACTTCAAAATGAAGTTAAAAAACTAACTATTGAATTAATGAAAGCGCGAGAT
CAACAGGAAGATCACATCAGACACCTGAGAACCCTGGAAAGGGCATTGGAAAAAATGGAGAAGCAGAAAG

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CACAGCAGCAGGCGGCACAGATAAGACTGATCCAAGAGGTGGAGCTCAAAGCCTCAGCTGCTGATCGAGA
AATAAACTTACTTCGAACTTCTCTTCACCAAGAAAAGCAGCAAGTGCAACAACTTCATGAACTTCTGGCG
TTGAAAGAGCAGGAACACAGGCAAGAAATTGAAACTCGGCAGTTTTTCACTGATGCTGAGTTCCAGGATG
CATTAACTAAACGATTATGCAAAGAAGAACGAAAACATGAGCAAGAAGTAAAAGAATACCAAGAAAAAAT
TGATATATTAAACCAGCAGTATTTGGACTTAGAAAATGAGTTCCGTATTGCTTTAACTGTTGAAGCTAGA
AGATTTAAAGATGTTCAGGATGGCTTTGAAGATGTTGCGACTGAGTTAGCGAAGAGTAAACATGCTCTTA
TTTGGGCTCAGCGTAAAGAAAATGAGTCGTCTTCTTTAATTAAAGATCTGACATGTATGGTGAAGGAACA
GAAGACAAAGCTCTCCGAAGTCTGCAAACTGAAGCAGGAAGCAGCAGCCAATTTACAGAATCAAATCAAC
ACTCTTGAAATTTTGATTGAAGATGACAAGCAGAAGAGCATTCAAATAGAACTTCTCAAACATGAAAAAA
CCCAGCTGATTTCTGAGCTGGCAGCCAAAGAGTCACTGATTTATGGCTTACGGACTGAGAGAAAAGTATG
GGGACAGGAACTGGCATGTCAGAGCTCGACACTATCCCAGAGTCGTGGGAAATTAGAAGCCCAGATTGAA
AGTTTATGCAGAGAAAATGAATCTCTGAGAAAAAGCCATGAAAGTGACTGTGATGCATTGAGAATAAAGT
GCAAGATCATTGAAGACCAAAATGAAACCATCCGGAAACTAAAAGACAGTTTACAAGAAAAAGATGGGCA
AATCAAATTGCTACAAGAACAGATCGCTCTCATCGAAAAGTGTTCTCAAGAGCAACTTAATGAAAAGTCT
TCACAACTAGATTCTATAGTTGAGAAACTAGAGAGACACAATGAGAGAAAGGAAAAATTAAAGCAACAGT
TGAAAGCAAAGGAATTAGAACTTGAAGAAATCAGAAAAGCTTACAGCACACTAAATAAGAAATGGCATGA
TAAAGGAGAACTACTCTCTCATCTTGAAATGCAAGTAAAAGAAGTAAAAGAAAAATTTGAAGACAAGGAA
AGGAAACTGAAAGCAGAGAGAGACAAAAGTCTTGAGCTACAAAAGGATGCAATGGAAAAGCTTCAGAACA
TGGATGATGCCTTTAGAAGACAAGTGGATGAGATTGTGGAAGCGCACCAAGCTGAAATAATGCAGCTAGC
AAATGAGAAGCAGAAGTATATTGACTGTGCAAATTTAAAGGTTCAACAAGTTGAAGACGAAATGCGAGGA
CTTCTGGACGAAACATGCAAGAACAAAAAAATGATGGAAGAAAAAATTAAGCAACTTGCTTGTGCTATAA
GTGAGATACAGAAAGAAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163580

Insert Size: 3033 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001163580.1, NP_001157052.1

RefSeq Size: 5627 bp

RefSeq ORF: 3033 bp

Locus ID:	71710
UniProt ID:	Q69ZB0
Cytogenetics:	3 A1
Gene Summary:	Required for the organization of the mitotic spindle. Maintains the structural integrity of centrosomes during mitosis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.