

Product datasheet for **MC223098**

Lrp13 (BC059862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrp13 (BC059862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrp13
Synonyms:	LSFC, GP130, Lrp130
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC059862 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACTGGATAATTCTGTCCGGAGAACAGGCCGCATCACAAGGGGCTTCTGCAGAGAGTCTTTGAGA
GCAGTGTAGCTCAGGTAGCCAGGGAGCAATCAAGCTCTGCTTCTGCTGCGCAGCTGTGGCTCGCTCCT
GCCCGAAGTGTCTCGCCGAGAGGACAGAGTTTGTCTACAAGATCTGGGACAACTTCAGCAGTTAGGT
GTCGTATATGATGTCAGTCATTACAATGCTTTACTTAAAGTATATCTTCAAATGAATACAAATTTTCAC
CTACTGACTTCTGGCAAAGATGGAGGGAGCAAACATCCAACCAATCGAGTAACATACCGAGGGCTGAT
AGCTGCCTACTGTAATGTTGGGGACATTGAAGGTGCCAGCAAGATCCTTGGATTTATGAAAACGAAAAGAC
CTTCCGATCACAGAGGCCGTGTTGAGTGTCTCGTCACAGGGCATGCGAGAGCTGGGGATATGAAAAATG
CAGAAAATATTCTCACAGTGTAAACAGGCCGGCATTGAGCCTGGCCAGACACGTATCTGGCCTTGT
GAATGCACATGCTGAGAGGGGTGACATTGGCCAGGTTAGGCAGATTCTGGAGAAAGTGGAGAAGTCAGAC
CATTACTTCATGGACCGGACTTCTTGCAGGTTATTTTTAGCTTCAGTAAGGCTGGCTACCCTCAGTATG
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TTTAGCCACTGAGAAGTTAGAAGACACTGCGTTCCAGGTTTTATTGGCATTACCCCTGTCCAAGGACGAG
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TAGACTACTGTCGGAGGCTGAGGGACGCCAAGCTGCACAGCTCCTCACTGCAGTTCACGCTGCACGTGTC
TCTTCAAGCCAATAGGACAGCTTTGGCAAAGCAGTGTGGAGGCTTTGAGGGAAGAAGGTTTCTATC
CGACCGCACTATTTCTGGCCGTTGCTTGTGGGCATCAGAAAACAAAAATGTTCAAGGAATAATAGATA
TCCTCAAATAATGAACAAAGTGGGAGTGGATCCTGATCAGGAAACATATATAACTATGTGTTCCGTC
CTTTGATAGTGCACAGTCAGTTCGAGCTGCTTTGCAGGAAAATGAATGTCTCCTCGAAGTAGTACCTTT
GCTCAAGCTGAAGTGAAGAATGAAGCAATAAATGGAACTTACAGAACATTTTGTCAATTTTGAATCGA
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AGATCTTTGGAGCAAGATAACAGAATTGTTGTACAAGGATGAACGCTATTGCTCAAAGCCTCCGGGACCA
CGGAAGCTGTTGGCTATTTCTTTATAACTTGATTGACAGCATGAGTACTCAGAGGTACAGGCCAAGG



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AGGAGCGTTTGAGACAATACTTCCATCAGCTGCAGGAGATGAATGTTAAAGTTCCTGAAAACATCTACAA
 AGGCATTTGTAATTTGCTGAATACCTACCATGTTCTGAATTGATTAAGGATATTAAGGTTCTGGTTGAC
 AGAGAGAAGGTAGATTCTCAAAAACTTCTCAAGTTACCTCATCTGATTTGGAATCAACACTTGAGAAAC
 TCAAAGCTGAAGGCCAACCTGTAGGATCTGCCCTGAAGCAGCTCCTGCTGCTCTGCTCAGAGGAGAA
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 ATAAATTTGTGCTGTGACATGATAATGCAGAAGATGCGTGGAACCTTGAACAAGAAGTTGACCGCTTAG
 ATGCTTCGGCTATTCTTGACACTGCCAAGTACGTAGCCCTTGAAAAGTACTGGGAAAGCACAGCAGACT
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 TCCTTTTTCCACATCCTCAATGGTGCAGCTTTAAGAGGTGAAATTGAAACAGTAAAAACAGCTGCATGAAG
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 CAAAGAAGCTAAGAAGATCATTGAGACTCCAGGCATTAGAGCTCGGCCTACAAGACTCCAGTGGTTTTGT
 GATCGATGCATTGCCAGTATCAGGTTGAAGCTTTGAGAAGTTGGTAGAGCTGACTGAGAAGCTGTTTTG
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 GGATGCTGCGTGGACCAAATGCAAGAAGAGAACATTATCCCTCGAGAGCGGACACTGCGGCTTACGCC
 GAGATCTTGAACCAGCAACCAGGAAGTTCCTTTCGACGTTCCGGAGTTGTGGTTTGGAGATGACAGAC
 CTTCCCTGAGTCCATCCTCACGCTCAGCAGGAGAGGACGTTACTGAGAAGACGTTGTTGTCTAACTGCAA
 ACTAAAGAAGAGTAAAGATGCATATAATATCTTCTTAAAGCCGAAAAGCAAACGTTGTATTTAGCAGT
 GAAACTTATAGCACCTTGATAGGCTTGTGCTGAGTAAGGACGACTTACCCAAGCAATGCACGTGAAGG
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 TTCAGAGAATGGTGGCTGGACTTGACACGATTGGACTCTCAAAAATGGTTTTTATCAATAACATCGCTTT
 GGCCAGATGAAGAATAATAAATTGATGCTGCCATAGAAAACATTGAGCACCTGCTTGTCCGAGAAC
 CAAGCCATAGAACCTCAGTACTTTGGCTTGTGCTATCTATTAGAAAAGTATGCGAAGAGCAGATGGAAC
 CAGCGCTAGAGAAGTAAAGCATCATGTCTGAGAGAATGGCGAATCAGTTTGCACCTTACAAGCCCGTAC
 TGATCTATTCTGCAGCTTGTGGATTGAGCAAGGTGGATGAGGCCAGAGCTCTCTAGAGAGATGCGGT
 GCCATTGCCGAGCAGAGCTCGTCTGTGCGGTGTTCTGTCTGAGGACTTCTCAGAAACCGAAAAGGCAC
 CAGTTCTGAAGACTTTGTTAGAAGTATCCTGAGTTACGTGATAACGATAAAGTATATTCTTGACGAT
 GAAAAGCTATGCCTTAGACAAAGATGTGCCTCGGCTAAAGCACTGTATGAGTATTTGACAGCCAAGAAC
 TTGAAGCTAGATGACCTGTTTCTCAAGCGCTATGCAGCTTTGCTCAAGGATGTCGGCGAACCCAGTCCCCT
 TCCCCGAGCCCCCTGAAAGCTTTGCATTTATATAAAGCAACTAAAGGAAGCAAGGGAAAGCCCTTCATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** BC059862
- Insert Size:** 3921 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: [BC059862](#), [AAH59862](#)

RefSeq Size: 4372 bp

RefSeq ORF: 3920 bp

Locus ID: 72416

Cytogenetics: 17 E4

Gene Summary: May play a role in RNA metabolism in both nuclei and mitochondria. In the nucleus binds to HNRPA1-associated poly(A) mRNAs and is part of nMRNP complexes at late stages of mRNA maturation which are possibly associated with nuclear mRNA export. May bind mature mRNA in the nucleus outer membrane. In mitochondria binds to poly(A) mRNA. Plays a role in translation or stability of mitochondrially encoded cytochrome c oxidase (COX) subunits. May be involved in transcription regulation. Cooperates with PPARGC1A to regulate certain mitochondrially encoded genes and gluconeogenic genes and may regulate docking of PPARGC1A to transcription factors. Seems to be involved in the transcription regulation of the multidrug-related genes MDR1 and MVP. Part of a nuclear factor that binds to the invMED1 element of MDR1 and MVP gene promoters (By similarity). Binds single-stranded DNA. [UniProtKB/Swiss-Prot Function]