

Product datasheet for **MC224304**

Cluh (NM_001081158) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cluh (NM_001081158) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cluh
Synonyms:	1300001I01Rik; Kiaa0664; mKIAA0664
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224304 representing NM_001081158 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTCATCAAGACGGACGAGTTGCCGGCGGCCCGCCCGCCGACAGCGCCGGGAGCACGGCTCGCAGG
CCGGCGGCAAGGGCGGCCGAACGCGGCTGATCTCCCTCGGTTCATGCTGTTGAATGGTGACTGCTCAGA
GAATTTGAAGAAGGAAGAAGGGACATCTGAGCCACCTAGGAAAATGGGCTAGATGAGGGTGAGCCTGGA
GATGAGACCACTGGACAGGAAGTCATTGTCATTACAGGACACAGGCTTTTCTGTGAAGATTCTGGCCCTG
GCATCGAGCCCTTTCCCTGCAGGTGTCCCCCAGGAGATGGTGCAGGAGATCCACCAGGTGCTCATGGA
CCGTGAGGATACTTGTCATCGTACCTGCTTCTCACTACACTTGGATGGCAATATGCTGGACCACTTTTCA
GAGCTACGCAGTGTGGAGGGGCTGCAGGAGGGCTCGGTGCTCCGAGTTGTGGAAGAGCCTTACACGGTGC
GTGAGGCCCCGAATCCATGTGCGTCATGTGAGAGACCTCCTCAAGAGCTTGGACCCATCTGATGCCTTCAA
TGGAGTTGACTGTAACCTCTTGCCTTCTGAGTGTCTTCACTGATGGTGACTTAGGAGACAGTGGGAAG
CGGAAGAAAGGCTTGGAGATGGACCCATCGACTGCACCCACCTGAGTATATCTGCCGGGGAGCCGGG
AGCGGCCTCTCTGTCCCTGCAGCCCCAGAACCCTGACTGGAAGCCCTGCAGTGTCTGAAAGTACTTAC
CATGAGTGGCTGGAACCCACCTCCTGGGAACCGCAAGATGCATGGGACCTCATGTACCTGTTTGTGATC
ACTGCTGAGGACCGCAAGTCAGCATCACTGCATCGACGAGGGGCTTCTACCTGAATCAGTCCACGGCCT
ACCACTTCAACCCCAAGCCTGCCAGCCCCGCTTCTCAGCCATTCCCTAGTAGAGCTGCTCAACCAGAT
CAGCCCAACCTTCAAAAAGAACTTTGCTGTGCTGCAGAAGAAAAGGGTCCAGCGCCACCCATTTCGAGAGG
ATCGCCACCCCGTTCCAGGTATACAGCTGGACAGCCCCCAGGCAGAGCATGCCATGGACTGTGTGCGTG
CGGAGGACGCCTACACCTCGAGGCTGGGCTACGAGGAGCACATTCTGGACAGACCCGGGACTGGAATGA
AGAGCTGCAGACAACAAGGGAGCTGCCCCGCAAGAACCTGCCTGAGCGGTTGCTCCGAGAACGAGCCATA
TTCAAGGTGCACAGTGATTTACAGCGGCAGCCACAAGGGGTGCCATGGCAGTTATTGATGGCAATGTGA
TGGCCATCAACCCAGTGAGGAGACCAAGATGCAGATGTTTCATCTGGAACAACATCTTCTCAGCCTGGG
CTTTGATGTCCGGGACCACTACAAAGACTTTGGTGGGATGTGGCAGCCTACGTGGCACCCACCAATGAC



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CTGAATGGTGTTCGCACATACAATGCCGTGGATGTAGAGGGACTGTACACACTGGGTACAGTGGTAGTGG
ATTACCGTGGCTACCGGGTCACAGCTCAGTCCATCATCCTGGCATCCTGGAACGAGACCAGGAGCAGAG
TGTCATCTATGGCTCCATTGACTTTGGCAAGACGGTGGTGTCTCACCCACGCTATCTGGAGCTGTTGGAG
CGCACCAGCCGGCCCCCTCAAGATCCTTCGTACCGAGTACTCAATGACCAGAGACGAGGAGGTGGAGCTCT
GCTCCTCGGTGAGTGTAAAGGGCATATTGGCAATGATGGGCGCCACTACATCCTTGACCTACTGCGCAC
CTTCCCACAGACCTCAACTTCCTTCTGTGCCTGGTGAAGAGCTACCCGAGGAGTGTCTCGAGCTGGC
TTCCCCGAACCCATCGACACAAGCTGTCTGTTTGGCCAGGAGCTAGTGGATGCTTTTGTGGAGCACA
GGTACCTTCTCTTCATGAAGCTGGCTGCCTTACAGTTGATGCAACAGAAGGCCAGCAAGGTGGAGACCAC
CACCTCCTGGAGAATGGTGGCCTTCCCTCCTCAGCAGAGACCAATCTGAAGATTCAATAGGACCTGAA
GCAGGATGTGAGGAGGAGGGCAGCAGTGTGAGTGGCCTCGCCAAGGTGAAGGAGCTGGCAGAGACCATCG
CCTCAGATGATGGCACAGTAGACCCTCGAAGCCGAGAGGTGATCCGAAATGCCTGCAAGGCTGTTGGCTC
CATCAGCAGCACGGCCTTTGATATTCGCTTCAATCCTGACATCTTCTCCCAGGGGTTGATTTCTGAG
TCCTGCCAGGATGAAGTTCGGGACCAGAAGCAGCTGTTGAAAGATGCTGCTGCTTCTGCTCTCCTGCC
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GCCCGAGACCAGCTGGACCACATTTATAAAATCGGCATCGGAGAGCTCATCACCCGCTCCGCCAAGCACA
TCTTCAAGACATATCTACAGGGAGTGGAGCTCTCAGGCCTCTCAGCTGCCATCAGCCACTTCTGAACTG
TTTCTGAGCTCTTACCCCAACCCCGTGGCCACCTGCCTGCTGATGAGCTGCTCTCAAGAAAAGGAAC
AAGAGGAGGAAAAACAGGCCCCAGGAGCTGCAGACAACACTGCCTGGGTGTGATGACCCCCAAGAGC
TCTGGAAGAACATATGCCATGAGGCCAAAACTACTTTGACTTCACCCTTGAGTGTGATTCTGTGGACCA
GGCTGTGGAGACCTACGGGCTGCAGAAGATAACACTGCTGCGGGAGATCTCACTGAAAACCGGATCCAG
ATTCTGCTGAAGGAATACAGCTTTGATAGCCGCCACAAGCCTGCCTTCACTGAGGAAGATGTGCTCAATA
TCTTCCCTGTGGTCAAGCATGTCAACCCCAAGGCGTCGGATGCCTTCACTTCTTCCAGAGTGGACAGGC
CAAAGTACAGCAGGGCTTCTGAAAGAGGGCTGTGAGCTCATCAACGAGGCTCTGAACCTGTTCAACAAT
GTCTACGGAGCCATGCAGTGGAGATCTGTGCCTGTCTGCGTCTTCTGGCCCGCTCCACTACATCATGG
GTGATTATGCTGAGGCCCTCAGCAATCAACAGAAGGCCGTGCTGATGAGTGAAGCGGTGATGGGCATTGA
GCACCCCAACACCATTAGGAATATATGCACCTGGCCCTGTACTGCTTCGCCAGCAGCCAGCTGTCCACA
GCCCTGAGCCTCCTGTACCGTGGCCGCTACCTCATGCTGCTTGTGTTGGGGAGGATCACCTGAGATGG
CATTGTTGGATAACAACATCGGGCTGGTGTGCATGGAGTAATGGAGTATGACCTGTCCCTGCGCTTCTT
GGAGAACGCACTGGCTGTCACTACAAAGTACCATGGGCCCAAGGCCCTTAAGGTGGCTCTCAGCCACCAC
CTTGTCGCGCGGGTTTATGAGAGCAAAGCTGAGTTCGGTGGCCCTCCAGCATGAGAAGGAGGGTTACA
CCATCTACAAGACGAGCTCGGTGAGGACCATGAGAAAACCAAGGAGAGCTCTGAGTACCTCAAGTGCCT
GACCCAGCAGGCTGTGGCCCTGCAGCGCACCATGAATGAGATCTACCGTAATGGTCCAGTGCCAATATC
CCACCCCTCAAGTTCACAGCTCCAGCATGACCAGTGTCTGGAGCAGCTCAATGTATCAATGGCATCC
TCTTATTCTCTCAGCCAAAAAGACTTGGAAAACCTGAAGGCAGAGGTGGCAGCGGACACCAGCTCCA
AGAGGCCAACAGAAACAGGGATAAGGCTGAAGAACCAACCATGGCCCCGAGCCTGAGCCTGAGCCAGAG
AGAGCCGTGGAGGACATGGGCTCCCTCAGACTGCCAAGGAAGTCTTCTTCCCTGAACCTACAGGGAT
AA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfi-MluI

ACCN:

NM_001081158

Insert Size:

4062 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081158.2</u> , <u>NP_001074627.1</u>
RefSeq Size:	5399 bp
RefSeq ORF:	4062 bp
Locus ID:	74148
UniProt ID:	<u>Q5SW19</u>
Cytogenetics:	11
Gene Summary:	mRNA-binding protein involved in proper cytoplasmic distribution of mitochondria. Specifically binds mRNAs of nuclear-encoded mitochondrial proteins in the cytoplasm and regulates transport or translation of these transcripts close to mitochondria, playing a role in mitochondrial biogenesis.[UniProtKB/Swiss-Prot Function]