

Product datasheet for **SC318593**

KIAA0664 (CLUH) (NM_015229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0664 (CLUH) (NM_015229) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0664
Synonyms:	CLU1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318593 representing NM_015229. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGCTCTTAAACGGGGACTGCCAGAGAGCCTGAAGAAGGAGGCGGCGGCCGAGCCACCCAGGGAA
AATGGGCTTGACGAGGCCGGCCGGGAGATGAGACCACCGGCCAGGAAGTCATTGTCACTCAGGACACG
GGCTTTTCTGTGAAGATCCTCGCCCTGGGATCGAGCCCTTCTCCCTGCAGGTGTCCCCCAGGAGATG
GTGCAGGAGATTCACAGGTGCTCATGGACCGGGAGGACAGTGTACCCGACCTGCTTCTCACTGCAC
CTGGATGGCAACGTGCTGGACCACTTCTCGAGCTGCGCAGCGTCGAGGGGCTGCAGGAGGGCTCTGTG
CTGCGTGTGGTGAAGAGCCGTACACGGTGCCTGAGGCCCGCATCCACGTGCGCCATGTCCGAGACCTG
CTCAAGAGCCTGGACCCATCCGATGCCTTCAACGGGGTTGACTGCAACTCCTTGTCTTCTGAGTGTC
TTCACCGACGGCGACCTGGGAGACAGCGGAAGCGGAAGAAGGGCTTGGAGATGGACCCATCGACTGC
ACACCACCCGAGTACATCCTGCCAGGGAGCCGGGAGCGGCCACTGTGTCCCTGCAGCCCCAAAACCGT
GACTGGAAGCCCTTGAGTGCCTGAAAGTACTACCATGAGCGGATGGAACCCGCCCCGGGGAACCGG
AAGATGCACGGGGACCTCATGTACCTGTTTGTGATCACAGCCGAGGACCGGAAGTCAGCATCACCGCG
TCCACACGGGGCTTTTACCTGAATCAGTCCACAGCTTATCACTTCAACCCCAAGCCCGCCAGCCCCCG
TTCCTAAGCCATTCCCTAGTGGAGCTGCTCAACCAGATCAGCCCGACCTCAAGAAGAACTTCGCTGTG
CTGCAGAAGAAAAGGGTCCAGCGCCACCCGTTTCGAGAGGATCGCCACCCATTCCAGGTGTACAGCTGG
ACAGCCCCCAGGCGGAGCATGCCATGGATTGCGTGCGTGACAGAGGACGCCTACACCTCGAGGCTGGGC
TATGAGGAGCACATTCTGGACAGACCCGAGACTGGAATGAGGAGCTGCAGACGACGAGGGAGCTGCCT
CGCAAGAACCTGCCTGAGCGGCTGCTCCGAGAAAGGGCCATATTCAAGGTGCACAGCGACTTCACCGCG
GCAGCCACCAGGGGCGCCATGGCCGTATTGACGGCAACGTGATGGCCATCAACCCAGCGAGGAGACC
AAGATGCAGATGTTTATCTGGAACAACATCTTCTCAGCTGGGCTTCGAGTCCGAGACCACTACAAG
GACTTCGGGGGGACGTGGCGGCTACGTGGCGCCACCAACGACCTGAATGGCTCCGACGTACAAC
GCGGTGGACGTGGAGGGCTGTACAGCTGGGCACGGTGGTGGTGGATTACCGCGCTACCGGGTCAG
GCCAGTCCATCATCCCCGCATCCTGGAGCGGGACCAGGAGCAGAGCGTCATCTACGGCTCCATCGAC



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TTCGGCAAGACCGTGGTGTACACCCGCGGTACCTGGAGCTGCTGGAGCGCACGAGTCGGCCCCCTCAAG
 ATCCTGCGGCACCAAGTGTCAACGACCGTGACGAGGAGTGGAGCTCTGCTCCTCGGTGAGTGCAAG
 GGCATCATTGGCAACGACGGGCGCCACTACATCCTCGACCTGTGCGCACCTTCCCCCGGACCTCAAC
 TTCTGCCCCGTGCTGGCGAGGAGCTGCCTGAGGAATGCGCCCGCGCGGCTTCCCCCGCGCCACCGG
 CACAAGCTCTGCTGCCTGCGCCAGGAGCTGGTGGACGCTTCGTGGAGCACAGGTACCTCCTTTATG
 AAGCTGGCGGCTTGCAGCTGATGCAGCAGAACGCCAGCCAGCTGGAGACCCCTCCTCCCTGGAAAAT
 GGTGGTCCTTCTCCTTGGAGTCCAAGTCTGAGGATCCTCCAGGACAGGAGCGGGAAGTGAGGAGGAG
 GGTAGCAGCGCCAGCGGCTGGCCAAGGTGAAGGAGCTGGCAGAGACCATCGCCGACAGCAGCGGACA
 GACCTCGGAGCGGGAGGTGATCCGCAACGCTGCAAGGCGGTGCGCTCCATCAGCAGACCGGCTTC
 GACATTCGCTTCAATCCTGACATCTTCTACCAGGGGTTCTGTTTCCCTGAGTCTGCCAGGATGAAGTT
 CGGGACCAGAAGCAGCTGCTGAAGGACGCGGCTGCCTTCTGCTCTCCTGCCAGATCCCTGGCTTGGTG
 AAGGACTGCATGGAGCACGCGTCTGCCGTTGGACGGGCAACGCTGGCAGAGGTGATGCGCCAGCGG
 GGCATCAACATGCGCTACCTGGCAAGGTGCTGGAGCTGGTGTGCGGAGCCCGGCCCGCCACAGCTG
 GACCACGTCTTTAAATCGGCATTGGAGAACTCATACCCGCTCGGCCAAGCACATCTTCAAGACGTAC
 TTACAGGGAGTCGAGCTCTCCGGCTCTCAGCCGCATCAGCCACTTCTGAACTGCTTCTGAGCTCC
 TACCCAAACCCCGTGGCCACCTGCCCGCGACGAGCTGGTCTCCAAGAAGCGGAATAAGAGGAGGAAA
 AACCGGCCCCCGGGGCTGCAGATAACACAGCCTGGGCTGTATGACCCCCAGGAGCTCTGGAAGAAC
 ATCTGCCAGGAGGCCAAGAACTACTTTGACTTCGACCTCGAGTGTGAGACCGTGGACCAGGCTGTGGAG
 ACCTACGGCTGCAGAAGATAACGCTCTGCGGAGATCTCGTGAAAACAGGGATCCAGGTCTGCTG
 AAGGAGTACAGCTTCGACAGTCGCCACAAGCCCGCTTACCGAGGAGGACGTGCTCAACATCTTCCCC
 GTGGTCAAGCAGTCAACCCCAAGGCTCGGATGCCTTCCATTCTTCCAGAGCGGGCAGGCCAAAGTG
 CAGCAGGGCTTCTGAAGGAGGGCTGTGAGCTCATCAATGAGGCCCTGAACCTGTTTAAACAGTCTAC
 GGAGCCATGCACGTGGAGACCTGCGCTGCCTGCGCTCCTCGCCGCTCCACTACATCATGGCGGAC
 TACGCAGAGGCCCTGAGTAACCAGCAGAAGGCGGTGCTGATGAGCGAGCGGGTATGGGCACCGAGCAC
 CCAACACCATCCAGGAATACATGCACCTGGCCCTGTACTGCTTCGCCAGCAGCCAGCTGTCCACCGCC
 CTGAGCTGTGTACCGCGCCGCTACCTCATGCTGCTGGTGTTCGGGAAGACCACCCCGAGATGGCG
 CTGCTGGACAACAACATCGGGCTGGTGTGCACGGGTGATGGAGTACGACCTGTCGCTGCGCTTCTG
 GAGAACGCGTGGCCGTCAGCACCAAGTACCACGGGCCAAGGCCCTCAAGGTGGCCCTCAGCCACCAC
 CTTGTGCGCCGAGTCTACGAGAGCAAAGCTGAGTTCCGGTGGCCCTGCAGCACGAGAAGGAGGGTTAC
 ACCATCTACAAGACGCAGCTGGGCGAGGACCATGAGAAGACCAAGGAAAGCTCCGAGTACCTCAAGTGC
 CTGACCCAGCAGGCCGTGGCCCTGCAGCGCACCATGAACGAGATCTACCGCAACGGCTCCAGCGCCAAC
 ATCCCGCCCTCAAGTTACGGCCCCCAGCATGGCCAGCGTCTTGAGAGCAGTGAACGTATTAACGGC
 ATCCTCTTCATTCTCTAGCCAAAAAGACCTGGAGAATCTGAAAGCCGAGGTGGCGCGGCGGCACACG
 CTCCAGGAGGCCAGCAGAAACAGGGATAGAGCCGAGGAGCCATGGCTACCGAGCCCGCGCCAGCGGGG
 GCCCCAGGAGACCTGGGCTCCAGCCCCCGGCTGCCAAGGACCCTTCTCCGAGCGTGCAGGGA**TAG**
 AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGAT
 ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_015229
Insert Size: 3930 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
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_015229.3
RefSeq Size:	5252 bp
RefSeq ORF:	3930 bp
Locus ID:	23277
UniProt ID:	O75153
Cytogenetics:	17p13.3
Protein Families:	Druggable Genome
MW:	146.7 kDa
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]