

Product datasheet for MC204751

Hlcs (NM_139145) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hlcs (NM_139145) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hlcs
Synonyms:	410I21.SP6; D16Jhu34
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC050090
ACATTTGTGACAGAGAGCATTGGATACAAGGTACCAGTTTACAAGAGCCATCATCTTCAGAAACCGTTG
TAAAATGGTCTGACTGCTGTCTGCCGTTAGCCTGCCGACCCGGGACCCCTACCAGTTAATTGCTAAGGC
AAGCGTGGACAATTTCAGCAAGCTTGGGGTGGCCCTTCATGGAGGACAGGCTCCAGATGGACAACGGCCTG
ATAGCCCAGAAGATCGTTTCAGTCCACTTAAAGGACCCTGCTCTGAAGGAACTCGGCAAAGCCTCCGACA
AGCAAGTGCAGGGCCCGCCCGGGCCAGAAGCTTCCCCGAGGCCAGCCTGCACAAGGTGTCATGGA
GCATGCTGGCCAAGGTGATTGCAAGGCCCGGTGAAGGCCCTTCCACGGAGGAGGGGCTGTGCCCT
GAAAGTGAAGCCTGCTGCAGATGGGACCCAGGGCTGAGCTCCCGGAGCTCTGTCAGCTCCACCTGTCCA
TCTGTCACGAGTGTCTGGAGCTCGAGAACAGTACCATTGACTCGGTGAGGTCTGCGTCTGCGGAGAACAT
TCCAGACCTTCCCTGTGATCACAGCGCGTGGAGGGTGTGCGGGCGAAGCTGCCCCGAACGGAAAGGG
AAGAGAGTCAACATTTCCGGAAAGGCGCCAATATCTTGCTGTATGTGGGCTCTGGTTCCGAGGAAGCCC
TGGGCCGGCTCCAGCAGGTGCGATCTGTCTGACTGACTGTGTGGACACGGACAGCTACACTCTCTACCA
CCTGCTGGAAGACAGCGCTCTGAGGGACCCGGTGTGCAAACTGCCTCCTGCTAGTTATTGCCAGCAGG
GACCCCATCCCCAAAGACATACAGCACAAAGTTCATGGCCTATCTTTCTCAGGGAGGGAAGGTGCTGGGCC
TGTCTTCCCCCTTACGTTGGGTGGCTTTCGGGTGACCAGGAGAGATGTGCTACGGAACACAGTCCAGAA
CTTGTTTTCTCTAAGGCTGATGGGACTGAGGTACGGCTCAGTGTCTGAGCAGCGGCTACGTTTATGAA
GAAGGCCGAGCTTGGCAGGCTCCAGGGCCACCTGGAGAATGAGGACAAGGATAAAATGATTGTGCACG
TGCTTTTTGGAACCCTCGAGGGGAAGCCGTTCTCTGCCAGGTGCACCTGGAGCTCCCGCCGGCGCCTC
CCTGGTGCAGACTGCAGACGACTTAACTGTCTCAAATCCAGCAATGTGAGAAGACACAGAGTCCCTAAG
GAGATCCTGACTGCCCTCGGTCTGAGCTGTGACGCACCACAGTTCTGCTTAAAGCCCTGTACTTAC
TGCTGGCCGCTGAGGAAACCCAGGATCCGTTTCATGCAAGTGGCTCGGGAGGCACACAGATCCTGAAGGAAT
CATAAAATCCAGCAAGCTCTCCCTTCAGTTTGTTCCTCTACACATCTGAAGCGGAGATCACCCGCTCT
TCCATGCCTGTGGTCACTGACCCAGAAGCCTTTTCATCAGAGCACTTCAGCCTAGAGACCTATCGACAGA
ATCTGCAGACCACGCGCTTGGGAAAGTATTCTGTTTGCAGAAGTGACCTCCACCACCATGAGTCTCTCT
GGATGGGTTGATGTTTGGATGCCGAGGAAATGGGCTTAATTGCCATTGCAAGTTCGGCAGACCCAGGGC
AAAGGAAGGGGCCGAATGCCTGGCTGAGCCCCGTGGGATGTGCTTTTCCACTCTGCTGGTCTTATCC
CCCTGAGGTCACAACCTGGACAGAGGATTCCATTTGTCCAGCATTGATGTCCTTGGCTGTGGTGGAGGC



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AGTGCGGTCTATCCCAGGTATGAGGATATCAACTTGGCAGTGAAGTGGCCCAACGATATTTATTACAGC
 GATCTCATGAAGATCGGTGGGGTTCTGGTTAATCAACACTTATGGGAGAAAATTTTATATCCTCATCG
 GCTGTGGATTCAATGTGACGAACAGTAATCCTACCATTGTATCAACGACCTCATCGAAGAACAATAA
 GCAGCACGGGGCGGGCTGAAGCCCCTGCGAGCGGACTGTCTCATAGCCAGAGCCGTGACCGTGTGGAG
 AAAGTATCGACAGGTTTCAGGACCAAGGGCCCGACGGCGTTCTCCCCTCTATTATAAACTGGGTGC
 ACGGTGGTCAGCAAGTCCGCCTGGGCAGCACGGAGGGCCACAGGCATCTATTGTGGCCCTTGATGACTC
 CGGGTTCCTGCAGTCCACCAAGAGGATGGTGGGGTTGTGACGGTGCATCCAGATGGCAACTCCTCGAC
 ATGCTGAGAAACCTCATCGTGCCCAAGCGACAGTAACACCTTCTGTGTCCCCAGACAGCTTGGATCTAC
 TGCAACAGGGAAGCTGCTCCTGGGATCTCCTGGGAGCACTGAGCAGGCGCACTCCGCTTGATAACTGTT
 GTCTCTGCCTGCCTAGGGCTGGGAAGCTAATGCAGAGTTAGAGGCCAGTTGTTAATTTCTCAGGTTGTG
 GGTTCCTGCCCCACCCCTCCCACCCCGGGATTTGGGACACATATATGTGGTTTTACTGGGTGTTT
 AAGGTGCATCTGGTGAGGATTGACTCACAGGCGAAGAAGGGTCAGTTTAGCCTAGGAGTTTAGTTTGCCT
 TGTGAGGTATAGAAGTCTTCCCCTGTGGGCTTGGATTTGTGTACTGGGAGGAAATGAGAAGCA
 AGGGGTTAGGAATAGCGTGTAGATAGTACAAATATATCCCAAGGAGTGAAGGCCTTAGCCCTCTGTGT
 TGAAACAGTGAATGCCTACAGCTCAGGGGCATGCTCACTGCTGTCCAGAACACACAAGTGTGACCTGC
 ACGTAGGGTTGTTGCTGGTTTCTTTGTCAAGTTGGGCTTCTTGTAGTAGCCTGGAACACAGGACTGAAG
 GATGGCCACAGAAATGCTGCTAACCAGCGTTATCTCCTTCCAGGATCAGATGTGTCAGGTTTTAGATGT
 TTAAGCCATGATGGCAGCTTCTTAGAGACAAAGGCTTGCCAGGCTGATGGAGAGTGGGCTCACCCCTC
 TTGCCACACAAGGGAGGATTCTTGAGCTTTTAAAGTGTGATGATGTCAGGCTCTGTTAGAAATGCCACAT
 CCCCATAAAGCTTGTGTCCCAAGCAGGGTCGAGTGCAGCACTGTATTGTAAGTCACTGACTTTCTGCCCT
 AATTTTCATAATGTGAGGAAGGAGAGAGAGAGACTGCACAAAAATGCCATCAGTTTGGAGAGACGAT
 GTGCGTGCAGAGCATGCCTGGTTTTGCGT
 AGAAGATGTTCAAACTTGATGTGCTAAAACGTCCGTGGAAGAACAAGGAGAGGAAGGAACTTTCTGGG
 CTTGCGTTTTCCAGATGTGCTCCGTGCTTTCCCGTGTACCTCCCGTCTCTGTGGAGCTTGTGAATCATAAC
 CATCGCTGCCAGCCTGAAAGAACTAGTTCCTGTGCTGCCCTCCTGCTTCCGCACTTCCACTGAAGTGG
 GCGGACGGAACAGATCGCTTCGCTTAGAGCAAGATCCTCGTCATAAACGAGTACCATCTTTATCCAGCTT
 CTGTAGTCAGGGCCAACCTCCAGAAACCAGAGGCTTTCGGCATAGAATCCACTCACCTCAGCCTAGCAGA
 GTCAGCCCCATTTGAAGCAAAAAATAAAATAAAATAAACAGGGTGAACATAACCAACCTGACGTGTGT
 TTGAGGGGCTGTGACACTAAAGGAACTTGAAGTAACTTTTCTTGCAAAATAGACTTTGACTAATGTTTT
 TCTCAAAAAAGAAAAAGATAACATATATAAAATTTAGTTCGCTATTTTTTTTTAAATTCATGCGAGTTA
 AATAAACTGTACGCCACCCAAATTATAAAGTGACAGGCCAAAGAGAGAGAGAGAGAGAGAGAGAGAGA
 GAGAGAGAGAGAGAGAGAGAGAGAGATCTGTAATAATCATCAAGAATGAAGATCTCCAAGCTGGCTGTTG
 CAAAGGTTCAATTTCTCAGACTTTGTAATAAAGGCTGTTATCTCTCAGAACCGCCATCATTACATTTGA
 AATTTCTATGGGGGATTATTTAATGAAAAACATGCTATGTTTTATTTAAGCTGAAGGCCTATTCTGGAT
 AGTTTCTACTTTGGGGAAAAAATGTTATCATTTAATTTCTTTCTGTAAGTTAAACTAATGAAGTGTGG
 TCATGTGACAGACAGACAGAGATGTTCTGGGCATGCTGATTGGCCCTGGGGTAGTTACTACTGTTGGGGGT
 ATTTCTGCGTATGCAGACAGGACTCCTTGTCTCGAGAGACAGCACAGCCTGAAGCACTGAAGTGCAT
 TCCCCACTGGCCTGACTTGGCCTCACATGAACCAAGACTTCAGATTTACATCGTAGAGAGCATTTCTG
 CCGATGGGGCGTGTAAAGGCTGCCACTGTACCCGCCACATGCGAGGGTATTACACTCTCAGTATCCCAG
 GACCTCCAAGAACTTTACAAGTCTCCTAACCTCGATGCCTCCTAATCTGGAGACGTGGCCACCTAACCCC
 GACTCTGTATTTGCCGTAAGCAGGTTACTCCTAGTGTAACTGCTTGCATATCTACCCCTGGGTGTTGG
 AAGGCACAGGTAAGCAGGCACTGGGTCTCACAACTCAGCTGAAGCAGTGAAGCGCTTTGCTACCCCTGA
 CATGCCAGCAACGGGGCAACCTCATTCTGTTTCTATGCATCTTTGAAATAAACAAAAATGTAA
 CCTTTAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_139145
Insert Size: 4833 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:	<ol style="list-style-type: none"> 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:	<u>BC050090</u> , <u>AAH50090</u>
RefSeq Size:	4880 bp
RefSeq ORF:	4833 bp
Locus ID:	110948
UniProt ID:	<u>Q920N2</u>
Cytogenetics:	16 55.12 cM
Gene Summary:	<p>Post-translational modification of specific protein by attachment of biotin. Acts on various carboxylases such as acetyl-CoA-carboxylase, pyruvate carboxylase, propionyl CoA carboxylase, and 3-methylcrotonyl CoA carboxylase (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>