

Product datasheet for **MR210285**

HIcs (NM_139145) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIcs (NM_139145) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HIcs
Synonyms:	410I21.SP6; D16Jhu34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR210285 representing NM_139145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGACAGGCTCCAGATGGACAACGGCCTGATAGCCAGAAGATCGTTTCAGTCCACTTAAAGGACC
 CTGCTCTGAAGGAACTCGGCAAAGCCTCCGACAAGCAAGTGCAGGGCCCGCCCCGGGCCAGAAGCTTC
 CCCCAGGCCCCAGCCTGCACAAGGTGTCATGGAGCATGCTGGCCAAGGTGATTGCAAGGCCGCGGTGAA
 GGCCCTTCCCCACGGAGGAGGGCTGTGCCCTGAAAGTGAGCCTGCTGCAGATGGGACCAGGGCTGA
 GCTCCCCGGAGCTCTGTGAGCTCCACCTGTCCATCTGTCACGAGTGTCTGGAGCTCGAGAACAGTACCAT
 TGACTCGGTGAGGTCTGCGTCTGCGGAGAACATTCCAGACCTTCCTGTGATCACAGCGCGTGGAGGGT
 GCTGCGGGCGAACTCTGCCCGAACGGAAGGGAAGAGAGTCAACATTCGGGAAAGGCCCAATATCT
 TGCTGTATGTGGCTCTGGTCCGAGGAAGCCCTGGGCCGGCTCCAGCAGGTGCGATCTGCTCTGACTGA
 CTGTGTGGACACGGACAGCTACACTCTTACCACCTGCTGGAAGACAGCGCTCTGAGGGACCCGTGGTCT
 GACAACTGCCTCCTGCTAGTTATTGCCAGCAGGGACCCATCCCCAAAGCATACAGCACAGTTTATGG
 CCTATCTTTCTCAGGGAGGGAAGGTGCTGGGCCTGTCTTCCCCCTTACGTTGGGTGGCTTTCGGGTGAC
 CAGGAGAGATGTGCTACGGAACACAGTCCAGAACTTGGTTTTCTTAAGGCTGATGGGACTGAGGTACGG
 CTCAGTGTCTGAGCAGCGGCTACGTTTATGAAGAAGGCCGAGCTTGGGAGGCTCCAGGGCCACCTGG
 AGAATGAGGACAAGGATAAAATGATTGTGCACGTGCCTTTTGAACCCCTCGGAGGGGAAGCCGTTCTCTG
 CCAGGTGCACCTGGAGCTCCCGCCGGCGCCTCCCTGGTGCAGACTGCAGACGACTTAAACGTGCTCAA
 TCCAGCAATGTGAGAAGACACGAGGTCCCTAAGGAGATCCTGACTGCCCTCGGTCTGAGCTGTGACGCAC
 CACAGGTTCTGCCTAACGCCCTGTACTTACTGTGGCCGCTGAGGAAACCCAGGATCCGTTTCATGGAC
 GTGGCTCGGGAGGCACACAGATCCTGAAGGAATCATAAAATCCAGCAAGCTCTCCCTTTCAGTTTGTTC
 TCTACACATCTGAAGCGGAGATCACCCGCTTCCATGCCTGTGGTCACTGACCCAGAAGCCTTTTCAT
 CAGAGCACTTCAGCCTAGAGACCTATCGACAGAATCTGCAGACCACGCGCCTTGGGAAAGTATTCTGTT
 TGCAGAAGTGACCTCCACCACCATGAGTCTCCTGGATGGGTTGATGTTTGAGATGCCGAGGAAATGGGC
 TTAATTGCCATTGCAGTTCGGCAGACCCAGGGCAAAGGAAGGGGCCGAATGCCTGGCTGAGCCCCGTGG
 GATGTGCTCTTCCACTCTGCTGGTCTTCATCCCCCTGAGGTCACAACTGGGACAGAGGATTCCATTTGT
 CCAGCATTTGATGTCCTTGGCTGTGGTGGAGGCAGTCCGGTCTATCCCAGGGTATGAGGATATCACTTG
 CGAGTGAAGTGGCCCAACGATATTTATTACAGCGATCTCATGAAGATCGGTGGGTTCTGGTTAATTCAA
 CACTTATGGGAGAAACATTTTATATCCTCATCGGCTGTGGATTCAATGTGACGAACAGTAATCCTACCAT
 TTGTATCAACGACCTCATCGAAGAACAATAAGCAGCACGGGGCGGGCCTGAAGCCCCTGCGAGCGGAC
 TGTCTCATAGCCAGAGCCGTGACCGTGTGGAGAACTGATCGACAGTTTCAGGACCAAGGGCCCGACG
 GCGTTCTTCCCCTCTATTATAAACTGGGTGCAGGTGGTCAGCAAGTCCGCCTGGGCAGCACGGAGGG
 GCCACAGGCATCTATTGTGGCCTTGTGACTCCGGTTCCTGCAGGTCCACCAAGAGGATGGTGGGGTT
 GTGACGGTGCATCCAGATGGCAACTCCTTCGACATGCTGAGAAACCTCATCGTCCCAAGCGACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210285 representing NM_139145
Red=Cloning site Green=Tags(s)

```
MEDRLQMDNGLIAQKIVSVHLKDPALKELGKASDKQVQGPPPGPEASPEAQAQGVMEHAGQGDCKAAGE
GPSPRRRGCAPESEPAADGDPGLSPELCQLHLISICHECLELENSTIDSVRSASAENIPDLPCDHSGVEG
AAGELCPERKGRVNIISGKAPNILLYVSGSSEEALGRLQQVRSVLTDCVDTDSYTLHYLLEDLSALRDPWS
DNCLLLVIASRDPIPKDIQHKFMAYLSQGGKVLGLSSPFTLGGFRVTRRDVLRNTVQNLVFSKADGTEVR
LSVLSGGYVYEEGPSLGRLLQGHLENEKDKMIVHVPFGLGGEAVLCQVHLELPPGASLVQTADDFNVLK
SSNVRRHEVLKEILTALGLSCDAPQVPALTPLYLLAAEETQDPFMQWLRHTDPEGIKSSKLSLQFVS
SYTSEAEITPSSMPVTDPEAFSSEHFSLETYRQNLQTTTLGKVLILFAEVTSTTMSLLDGLMFEMPQEMG
LIAIAVRQTQGGKGRPNAWLSPVGCALSTLLVFIPLRSQLGQRIPFVQHLMSLAVVEAVRSIPGYEDINL
RVKWPNDIYYSDLMKIGGVLVNSTLMGETFYILIGCGFNVTSNPTICINDLIEEHNKQHAGLKLPLRAD
CLIAARAVTVLEKLIDRFQDQGPDGVLPLYKYVWHGGQQVRLGSTEGPQASIVGLDDSGFLQVHQEDGGV
VTVHPDGNFDMRLNLI VPKRQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9046_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

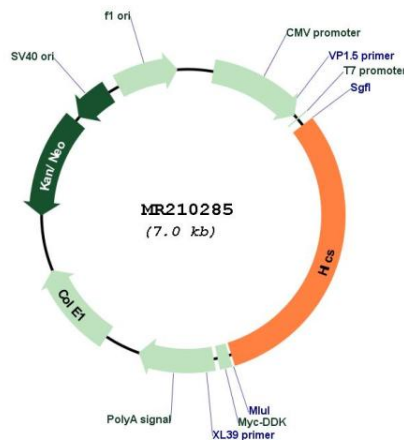
ACCN: NM_139145

ORF Size: 2166 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_139145.5
RefSeq Size:	4833 bp
RefSeq ORF:	2169 bp
Locus ID:	110948
UniProt ID:	Q920N2
Cytogenetics:	16 55.12 cM
MW:	79 kDa
Gene Summary:	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]

Product images:


Circular map for MR210285