

Product datasheet for **MR209480**

Hic2 (NM_178922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hic2 (NM_178922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hic2
Synonyms:	AA409108; HRG22; mKIAA1020
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209480 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTTCTGGGCCCTGGCACTCCGGTGGTGCCCGTGGCGAGGGCACAGGGACATGGGGCCAGACATGG
 AGCTTCCAGCCATTCAAACAGCTCCTGCTACAGCTGAACCAGCAGAGGGCCAAGGGCTTCTGTGTGA
 CGTCATCATCATGGTGGAGAAGCTATCTTCCGGGCCACAAGAATGTCCTGGCTGCTAGCAGCATCTAC
 TTCAAGTCCCTGGTCTGCATGATAACCTCATCAACTTAGACACAGACATGGTCAGCTCCACTGTGTTC
 AGCAGATCCTGGACTTCTACACAGGCAAGCTCCTGCCAGTGACCAGCCATCTGAGCCAAACTTCAG
 CACTCTACTCACTGCTGCCAGCTACCTCCAGCTGCCTGAGTTGGCAGCCCTCTGTCGCCGCAAATGAAG
 CGAGCTGGCAAGCCCTTGGCCCTGGACGAGTGGGTACTGCTGGCATAGGGCGACCAACCCGCAGTCAGC
 GGCTGTCCACAGCCTCTGTATCCAGGCTCGATTTCCAGGGCTTGTAGATGTGCGTAAAGGACACCTGC
 TCCCCAGGAGCTCCCTCAGGCCAAAGGCTCAGATGATGAGCTTTTCTGGGCACCTCCACTCAGGAGAGC
 ACACACGGCCTGGGCTTGGGGGGTCCAGCTGGTGGGGAGATGGGCTTGGGGGGTGCAGCACCCAGCACCA
 ATGGGAGTAGTGGGGCTGTGAGCAGGAGCTGGGCTTGGACCTGTCCAAGAAGAGCCACCTTACCTCC
 TACAACCCCTGGCCCCACCTCACACCCGAGGCCAGCCAGCTGAGTGACAGCCAGCGAGAGTCAACC
 GCACCCACATCGACCTCTGCCCTGCCTGTCCGCAATAGTGCCTCATTTGTTGAGCTGGGGGCCACTCCTG
 AGGAGCCCATGGATGTGGAAGGGCTGAGGAAAACCACTGAGTCTGCTGGAAGGACAGGGTGGGACGCC
 TCGCAAGACCTCCGGCATTAGCCCGCAAAAAGATTGGAACAAAAGAACCTGTGGCTGGTCCCTCC
 TTTGATAGGAGAGAAACAGGATCTAAGGGTCTCGCCAGGGGAAGAAGTGAAGGGACTGGGACAGGG
 TTCCCAATGGCGTTCTGGCTAGCAGTCTGGTGGAGGTGGCCCACTGCATCGTATGGGGAGCAGTCATT
 CCCTGCAAGGAGGAGGAGGAGAATGGCAAAGTGGGAGTGGGACAGTGGGCGAGTGGGAGTGGGGG
 GGCAGCGCCATACTGGCGCCACTATGTATACCGGCAGGAAGGCTATGAGACAGTGTATATGGGGACA
 ATGTTTATGTGTGCATCCCTGTGCCAAGGGCTTCCCAGCTCTGAGCAGCTCAATGCTCACGTGGAGAC
 ACACACGGAGGAGGATTATTCATCAAGGAAGAAGGGCTTATGAGACCGCAGTGGGGTGGCAGGAG
 GAGGCTGAGGACCTGTCAACACCTAGTGCAGCCTACACAGCTGACTCTCGTCTTTCAAGTGCTCAGTTT
 GTGAGAAGACCTACAAGGACCCAGCCACACTGCGGCAACACGAGAAGACACACTGGTTGACCCGTCGGT
 CCCCTGCAACATTTGTGAAAGATGTTACACAGCGAGGCACTATGACACGCCACATGCGGAGCCACCTG
 GGCTGAAGCCCTTGCCTGTGATGAGTGTGGTATGCGTTTCACTCGCCAGTACCGCCTCACAGAGCACA
 TCGGTGTCACTCAGGTGAGAAGCCCTATGAGTGCAGCTCTGTGGAGGCAAGTTCACCCAACAGCGCAA
 CCTCATCAGCCACTGCGCATGCACACTTCCCCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

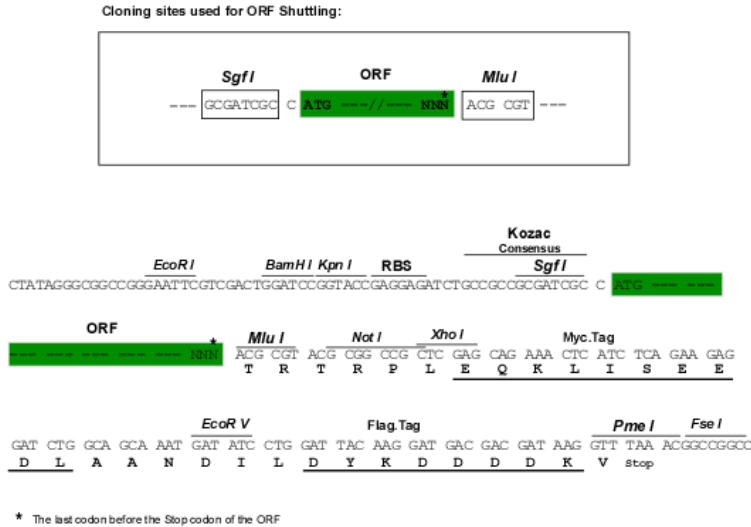
>MR209480 protein sequence
 Red=Cloning site Green=Tags(s)

MVSGPLALRWCPWAGHRDMGPDMEPLPSHSKQLLLQLNQQRAGKFLCDVIIMVENSIFRAHKNVLAASSIY
 FKSLVLHDNLINLDTDMVSSTVFQQILDFIYTGKLLPSDQPSEPSTLLTAASYLQLPELAALCRRKPK
 RAGKPFPGPRVGTAGIGRPTRSQRLLSTASVIQARFPGLVDVRKGHAPQELPQAKGSDELFLGTSTQES
 THGLGLGGPAGGEMGLGGCSTSTNGSSGCEQELGLDL SKKSPPLPPTTPGPHLTPEDPAQLSDSQRSP
 APTSTSALPVGNSASFVELGATPEEPMDFVEGAEENHLSLLEGQGGQPRKSLRHSARKDWNKKEPVAGSP
 FDRRETGSKGSCPEEGEGTGDVPNGVLAASSAGGGPSASYGEQSFPCKEEEENKDGSEDSGQSGSEG
 GSGHTGAHYVYRQEGYETVSYGDNVYVCI PCAKGFPSSEQLNAHVETHTEELFIKEEGAYETGSGGAE
 EAEDLSTPSAAYTADSRPFKCSVCEKTYKDPATLRQHEKTHWLTRPFPCNICGKMFTRQGTMRHMRSHL
 GLKPFACDECGMRFTRQYRLTEHMRVHSGEKPYECQLCGGKFTQQRNLSHLRMTSPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178922

ORF Size: 1860 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:

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_178922.3](#), [NP_849253.2](#)

RefSeq Size: 6360 bp

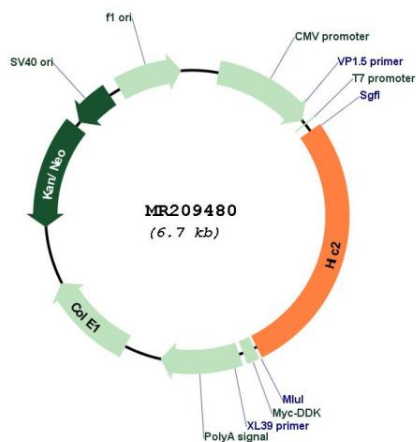
RefSeq ORF: 1860 bp

Locus ID: 58180

UniProt ID: [Q9JLZ6](#)

Cytogenetics: 16 A3
 MW: 66.8 kDa
 Gene Summary: Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209480