

Product datasheet for **MG209480**

Hic2 (NM_178922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hic2 (NM_178922) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hic2
Synonyms:	AA409108; HRG22; mKIAA1020
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209480 representing NM_178922
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTTCTGGGCCCTGGCACTCCGGTGGTGCCCGTGGCGAGGACAGGGACATGGGGCCAGACATGG
 AGCTTCCAGCCATTCAAACAGCTCCTGCTACAGCTGAACCAGCAGAGGGCCAAGGGCTTCTGTGTGA
 CGTCATCATCATGGTGGAGAACTCTATCTTCCGGGCCACAAGAATGTCCTGGCTGCTAGCAGCATCTAC
 TTCAAGTCCCTGGTCTGCATGATAACCTCATCAACTTAGACACAGACATGGTCAGCTCCACTGTGTTC
 AGCAGATCCTGGACTTCTACACAGGCAAGCTCCTGCCAGTGACCAGCCATCTGAGCCAAACTTCAG
 CACTCTACTCACTGCTGCCAGCTACCTCCAGCTGCCTGAGTTGGCAGCCCTCTGTCGCCGCAAATGAAG
 CGAGCTGGCAAGCCCTTGGCCCTGGACGAGTGGGTACTGCTGGCATAGGGCGACCAACCCGCAGTCAGC
 GGCTGTCCACAGCCTCTGTATCCAGGCTCGATTTCCAGGGCTTGTAGATGTGCGTAAAGGACACCTGTC
 TCCCCAGGAGCTCCCTCAGGCCAAAGGCTCAGATGATGAGCTTTTCTGGGCACCTCCACTCAGGAGAGC
 ACACACGGCCTGGGCTTGGGGGGTCCAGCTGGTGGGGAGATGGGCTTGGGGGGTGCAGCACCCAGCACCA
 ATGGGAGTAGTGGGGGCTGTGAGCAGGAGCTGGGCTTGGACCTGTCCAAGAAGAGCCACCCCTTACCTCC
 TACAACCCTGGCCCCACCTCACACCCGAGGCCAGCCAGCTGAGTGACAGCCAGCGAGAGTCACCC
 GCACCCACATCGACCTCTGCCCTGCCTGTCCGCAATAGTGCCTCATTTGTTGAGCTGGGGGCCACTCCTG
 AGGAGCCCATGGATGTGGAAGGGGCTGAGGAAAACACCTGAGTCTGCTGGAAGGACAGGGTGGGACGCC
 TCGCAAGACCTCCGGCATTAGCCCGCAAAAAGATTGGAACAAAAGAACCTGTGGCTGGTCCCTCC
 TTTGATAGGAGAGAAAACAGGATCTAAGGGTCTCTGCCAGGGGAAGAAGTGAAGGGACTGGGACAGGG
 TTCCAATGGCGTTCTGGCTAGCAGTGTGGTGGAGGTGGCCCACTGCATCGTATGGGGGACAGTCATT
 CCCTGCAAGGAGGAGGAGGAGAATGGCAAAGATGGGAGTGGGAGTGGGACAGTGGGAGTGGGAGTGGGG
 GGCAGCGCCATACTGGCGCCACTATGTATACCGGCAGGAAGGCTATGAGACAGTGTATATGGGGACA
 ATGTTTATGTGTGCATCCCTGTGCCAAGGGCTTCCCCAGCTCTGAGCAGCTCAATGCTCACGTGGAGAC
 ACACACGGAGGAGGATTATTCATCAAGGAAGAAGGGGCTTATGAGACCGGCAGTGGGGTGGCAGGAG
 GAGGCTGAGGACCTGTCAACACCTAGTGCAGCCTACACAGCTGACTCTCGTCTTTCAAGTGCTCAGTTT
 GTGAGAAGACCTACAAGGACCCAGCCACACTGCGGCAACACGAGAAGACACACTGGTTGACCCGTCGGT
 CCCCTGCAACATTTGTGAAAGATGTTACACAGCGAGGCACTATGACACGCCACATGCGGAGCCACCTG
 GGCTGAAGCCCTTGCCTGTGATGAGTGTGGTATGCGTTTCACTCGCCAGTACCGCCTCACAGAGCACA
 TCGTGTGCACTCAGGTGAGAAGCCCTATGAGTGCAGCTCTGTGGAGGCAAGTTCACCCAACAGCGCAA
 CCTCATCAGCCACTGCGCATGCACACTTCCCCTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209480 representing NM_178922
 Red=Cloning site Green=Tags(s)

MVSGPLALRWCPWAGHRDMGPDMEPLPSHSKQLLLQLNQRAKGFLCDVIIMVENSIFRAHKNVLAASSIY
 FKSLVLHDNLINLDTMVSSTVFQQILDFIYTGKLLPSDQPSEPNSSTLLTAASYLQPELAALCRRKPK
 RAGKPFPGPRVGTAGIGRPTRSQRLLSTASVIQARFPLVDVRKGHAPQELPQAKGSDDFLGTSTQES
 THGLGLGGPAGGEMGLGGCSTSTNGSSGGCEQELGLDL SKKSPPLPPTTPGPHLTPEDPAQLSDSQRSP
 APTSTSALPVGNSASFVELGATPEEPMVVEGAENHLSLLEGQGGQPRKSLRHSARKKDWKKEPVAGSP
 FDRRETGSKGSCPGEEGETGDRVPNGVLASSAGGGGPSASYGEQSFPCKEEEENGKDGSEDSGQSGSEG
 GSGHTGAHYVYRQEGYETVSYGDNVYVCIKAKGFPSSQLNAHVETHTEELF IKEEGAYETGSGGAE
 EAEDLSTPSAAYTADSRPFKCSVCEKTYKDPATLRQHEKTHWLTRPFPCNICGKMFTQRGTMTRHMRSHL
 GLKPFACDECGMRFTRQYRLTEHMRVHSGEKPYECQLCGGKFTQQRNLSHLRMHTSPS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_178922.3 , NP_849253.2
RefSeq Size:	6360 bp
RefSeq ORF:	1860 bp
Locus ID:	58180
UniProt ID:	Q9JLZ6
Cytogenetics:	16 A3
Gene Summary:	Transcriptional repressor.[UniProtKB/Swiss-Prot Function]