

Product datasheet for **RR213094**

Hic2 (NM_001105862) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hic2 (NM_001105862) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hic2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213094 representing NM_001105862
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTTCTGGGCCCTGGCACTCCGGTGGTGCCCGTGGGACGGGCACAGGGACATGGGGCCAGACATGG
 AGCTTCCAGCCATTCAAACAGCTCCTGCTACAGCTGAACCAGCAGAGGGCCAAGGGCTTCTGTGTGA
 TGTCAATCATGGTGGAGAAGCTATCTTCCGGGCCACAAGAAGCTCCTGGCTGCTAGCAGCATCTAC
 TTCAAGTCCCTGGTCTGCATGATAACCTCATCAACCTAGACACAGACATGGTCAGCTCCACTGTGTTC
 AGCAGATCCTGGACTTCTACACGGGCAAGCTGCTGCCGGAGACCAGCCGTCGAGCCAAACTTCAG
 CACTCTACTACTGCCGCCAGCTACCTCCAGCTGCCTGAGTTGGCAGCCCTCTGCCGCCGAACTCAAG
 CGAGCCGCAAGCCCTTTGGCCCTGGACGAGTGGGTACTGCTGGCATGGGGCGGCAACCCGAGCCAGC
 GGCTGTCCACAGCCTCTGTATCCAGGCTCGGTATCCAGGGCTTGTGGATGGGCGGAAAGGACACCTGC
 TCCCCAGGAGCTCCCTCAGGCCAAGGGCTCAGATGATGAGCTTTTCTGGGCAGCTCCACCCAGGAGAGC
 ACACACGGCCTGGGCTTGGGGGGCCAGCTGCTGGGGAGGTGGGCTTGGGGGGCTGCAGCACCCAGCACC
 ATGGGAGCAGTGGGGCTGTGAACAGGAGCTGGGCTTGGACCTGTCCAAGAAGAGCCACCTTACCTCC
 TACAACCCTGTCCCCACCTTACTCCTGAGGACCCAGCCAGCTGAGTGACAGCCAGCGAGAGTCAACC
 CCGCCACGTCCACCTCTGCCCTGCCTGTGAGCAACAGTACCTCATATGTTGAGCTGGGGGCCACTCCTG
 ATGAGCCCATGGATCTGGAGGGGGCTGAGGAGAACCATCTGAGTCTGCTGGAAGGACAGGGTGGGCAGCC
 TCGGAAGAGCTCCGGCATTAGCCCGAAAAAAGATTGGAACAAAAAGGAACCTGTGGCTGGTCCCCC
 TTTGATCGGAGAGAAACGGGGTCTAAGAGTTCCTGCCAGGGGAAGAAGGTGAGGCGCTGGGGACAGGG
 TTCCCAATGGTGTCTGGCTAGTAGTGTGGTGGAGGTGGCCCACTGCCCATCTACGGGGAGCCACC
 ATATCCCTGCAAGGAGGAGGAGGAGAACGGCAAGATGTGAGTGAGGACAGTGGGCAGAGTGGGAGTGA
 GGGGGCAGCGCCATACCGGTGGCGCCACTATGTGTACCGGCAGGAAGGCTATGAGACAGTGCATATG
 GGGACAACCTTTATGTGTATCCCTGTGCCAAGGGCTTCCCCAGCTCCGAGCAGCTCAATGCTCACGT
 GGAGACACACACAGAGGAGGAGTATTCAAGGAGGAAGGGGCTTACGAGACCGGCAGTGGGGTGA
 GAGGAAGAAGCTGAGGACCTGTGACACCCAGCAGTACAGCCTATGCAGCTGAGCCTCGTCTTTCAAGT
 GCTCAGTTTGTGAGAAGACCTACAAGGACCCAGCCACTGCGGCAACACGAGAAGACACTGGTTGAC
 CCGTCCGTTCCCCTGCAACATTTGTGAAAGATGTTACACAACGAGGCACTATGACACGCCACATCGGG
 AGCCACCTGGGCCTGAAGCCCTTGCCTGTGATGAGTGTGGCATGCGTTTCACTGCCAGTACCGCCTCA
 CAGAGCAGATGCGTGTACTACTCGGGTGAAGCCCTATGAGTGCCAGCTCTGCGGGGCAAGTTCACCCA
 GCAGCGTAACCTCATCAGCCACCTGCGCATGCACAGTCCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213094 representing NM_001105862
 Red=Cloning site Green=Tags(s)

MVSGPLALRWCWPWAGHRDMGPDMEPLPSHSKQLLLQLNQQRAGKFLCDVIIMVENSIFRAHKNVLAASSIY
 FKSLVLHDNLINLDTMVSSTVFQQILDFIYTGKLLPGDQPSEPNSFSTLLTAASYLQLPELAALCRRKLLK
 RAGKPFPGPRVGTAGMGRPTRSQRLLSTASVIQARYPGLVDGRKGHPAPQELPQAKGSDDDELFLGSSTQES
 THGLGLGGPAAGEVGLGGCSTSTNGSSGCEQELGLDL SKKSPPLPPTTPVPHLTPEDPAQLSDSQRESP
 PPTSTSALPVSNSTSYVELGATPDEPMDLEGAENHLSLEGGQGPQRKSLRHSARKDWNKKEPVAGSP
 FDRRETGSKSSCPGEEGEAPGDRVNGVLAASSAGGGGPSAPSYGEPYPCKEENKGDVSEDSGQSGSE
 GGSHTGGAHYVYRQEGYETVSYGDNLYVCIPCAKGFPSSEQLNAHVETHTEELFIKEEGAYETGSGGA
 EEEAEDLSTPSSATAYAAEPRPFKCSVCEKTYKDPATLRQHEKTHWLTRPFPCNICGKMFTRQRTMRHMR
 SHLGLKPFACDECGMRFTRQYRLTEHMRVHSGEKPYECQLCGGKFTQQRNLISHLRMHTSPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001105862.1 , NP_001099332.1
RefSeq Size:	4509 bp
RefSeq ORF:	1869 bp
Locus ID:	287940
Cytogenetics:	11q23
MW:	67.2 kDa