

## Product datasheet for **RG210541**

### HIC2 (NM\_015094) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HIC2 (NM_015094) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HIC2
Synonyms:	HRG22; ZBTB30; ZNF907
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG210541 representing NM\_015094  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGTCTGGCCCTTGGCACTCCGGTGGTGCCTGGCGAGGGCGCGGGACATGGGGCCGACATGG  
 AGCTGCCAGCCACTCGAAGCAGCTCCTGCTGCAGCTGAACCAGCAGAGGACCAAGGGCTTCCTGTGTGA  
 CGTCATCATCATGGTGGAGAAGTCCATCTTCCGGGCCACAAGAAGCTCCTAGCCGCCAGCAGCATCTAT  
 TTCAAGTCCCTGGTCTGCACGACAACCTCATCAACCTGGACACAGACATGGTCAGCTCCACAGTGTTC  
 AGCAGATCTTGGACTTCTACACAGGCAAGTGTGCCAGCGACCAGCCAGCCGAGCCCAACTTCAG  
 CACCTCCTCACTGCCGCCAGCTACCTCCAGCTGCCGAGTTGGCAGCCCTCTGCCGCCGAACTCAAG  
 CGAGCCGCAAGCCCTTTGGCTCTGGGAGGGCGGGTCCACTGGCATGGGGCGGCCCCCGCAGCCAGC  
 GGCTGTCCACGGCTCTGTATCAAGCTCGGTATCAGGGCTCGTGGATGGGCGCAAGGGGGCCACGC  
 CCCCCAGGAGCTCCCCAAGCCAAAGGCTCAGACGATGAAGTCTTTCTTGGTGGCTTAACCAGGATAGC  
 GTCAAGGTCTGGGCCGGGCTGTCTGCCAGCTGGCGGGAGGGGGTCTGGGGGCTGCAGCAGCAGCA  
 CCAACGGGAGCAGCGGGGCTGCGAGCAGGAGCTGGGCTTGGACCTGTCCAAGAAAAGCCACCCCTTGC  
 CCCTGCCACCCAGGTCACCTCACTCCCGATGACGCAGCCAGCTGAGCGACAGCCAACATGGCTCG  
 CCCCCTGCGGCCTCTGCCCTCCCGTTGCCAACAGTGCCTTATTCTGAGCTGGGGGACCCCTGATG  
 AGCCCATGGATCTGGAGGGGGCCGAGGACAACCACCTGAGCCTGCTGGAGGCGCTGGTGGGCAGCCTCG  
 GAAGAGCCTCCGGCACTCACTCGGAAGAAGGAGTGGGGCAAGAAGGAGCCTGTGGCTGGCTCCCTTT  
 GAGCGGAGAGAAGCAGGGCCCAAGGGTCCCTGCCGGGAGAGGAGGTGAGGGGGTGGGGACAGGGTTC  
 CCAATGGCATCTGGCTAGTGGGGTGGCCCTAGCGGGCCCTATGGGGAGCCCCCTACCCCTGCAAGGA  
 GGAGGAGAGAACGGCAAGGATGCAAGTGAAGACAGTGCAGCAGCGGGAGCGAGGGGGGAGCGGCCAC  
 GCCAGCGCCCACTACATGTACCGCAGGAGGGCTACGAGACGGTGTCTACGGGACAACCTGTATGTGT  
 GCATTCCTGCGCAAGGGCTTCCCGAGCTCTGAGCAGCTCAATGCGCACGTGGAGACTCACACGGAGGA  
 AGAGCTGTTTCAAGGAAGAGGGGGCTACGAGACAGGAGTGGGGTCCCGAGGAGGAGCCGAGGAC  
 CTGTGACACCCAGTGGCCCTACACGGCTGAGCCCCGGCCCTTCAAGTGTTCGGTCTGCGAGAAGACCT  
 ACAAGGACCCAGCCAGCTGCGGCAGCAGAGAAGACGCACTGGTGCACGGCCCTTCCCTGCAACAT  
 CTGTGGCAAAATGTTACACAGCGCGCCACCATGACCGTACATGCGGAGCCACCTGGGCTGAAGCCC  
 TTCGCTGCGATGAGTGTGGCATGCGCTTACCCGTCAGTACCGCTCACGGAGCACATGCGTGTGCACT  
 CGGGCGAGAAACCTTACGAGTGCAGCTGTGCGGGGCAAGTTCACCCAGCAGCGCAACCTCATAGCCA  
 CCTGCGCATGCACACCTCCCTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG210541 representing NM\_015094  
 Red=Cloning site Green=Tags(s)

MVSGPLALRWCWAGRGDMGPDMEPSHKLQLLQLNQRTKGFLCDVIIMVENSIFRAHKNVLAASSIY  
 FKSLVLHDNLINLDTMVSSTVFQQILDFIYTGKLLPSDQPAEPNFSTLLTAASYLQPELAALCRRRLK  
 RAGKPFSGRAGSTGMGRPPRSQRLSTASVIQARYQGLVDGRKGAHAPQELPQAKGSDELFLGGSNQDS  
 VQGLGRAVCPAGGEAGLGGCSSSTNGSSGGCEQELGLDLSKKSPLPPATPGPHLTPDDAAQLSDSQHGS  
 PPAASAPPVANSASYSELGGTPDEPMDLEGAEDNHLSLLEAPGGQPRKSLRHSTRKKEWKKKEPVAGSPP  
 ERREAGPKGPCGEEGEGVGDVDPNGILASGAGPSGYPGEPYPCKEENGKDASEDSAQSGSEGGSGH  
 ASAHMYRQEGYETVSYGDNLYVCIPKAGFPSSQLNAHVETHTHEELFIKEEGAYETGSGGAEED  
 LSAPSAAYTAEPFPKCSVCEKTYKDPATLRQHEKTHWLTRPFPNCICGMFTQRGTMTRHMRSHLGLPK  
 FACDECGMRFTQYRLTEHMRVHSGEKPYECQLCGGKFTQQRNLSHLRMHTSPS

SGP**TRRRLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:


**ACCN:** NM\_015094

**ORF Size:** 1845 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\\_015094.1](#), [NP\\_055909.1](#)
**RefSeq Size:** 6794 bp

**RefSeq ORF:** 1848 bp

**Locus ID:** 23119

**UniProt ID:** [Q96JB3](#)

**Cytogenetics:** 22q11.21  
**Protein Families:** Transcription Factors  
**Gene Summary:** Transcriptional repressor.[UniProtKB/Swiss-Prot Function]