

Product datasheet for **MR215279**

Hrc (NM_010473) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hrc (NM_010473) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hrc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR215279 representing NM_010473, codon optimized.
 Due to the complexity of NM_010473, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGTTCCAGGGACCATGGTTGCACACATGCCTGCTTTGGGCCACCGTAGCCATCTTGCTGGTGCCCC
 CTGTGGTAACCCAGGAACTCAGGGGGCAGGACTTGGGCTCGGAAATTGGAATAAATGCAGGCATCCC
 TGGGTCTAGCGAAGACCTGTCTACGGAATTCGGCCACCACATTCATCGCGGATACCAAGGGGAAAAGGAC
 CGAGGGCATAGGGAAGAAGGGGAGGACTTCTCCAGGGAGTACGGGCACAGGGTCCAGGATCACCGATACC
 CTGGTCGAGAAGTCGGCGAAGAAAATGTCTCAGAGGAGGTGTTCCGCGGACATGTGCGCCAGCTCCACGG
 TCATAGAGAACACGACAATGAAGATCTGGGCGACTCCGCTGAAAAACACCTCCCCCGCCAGCGCAGCCAT
 TCCCACGAGGATGAGGATGGTATCGTCTCCTCCGAGTATCACCGACATGTCCCAGGCGATGCCACCACATG
 GACATGGAGAGGAAGATGACGATGATGATGGTGGCGAGGAGGAGGAGCGCGTCCGACGTGATGGAGGACTC
 TGACGATAACGAGCACCAGGTCCACGGTCACCAAAGCCACTCCAAGGAGAGGGATGAGCTCCACCATGCT
 CATTCCCATAGACACCAAGGTCACTCAGACGACGACGATGATGATGGCGTCTCTACCGAGCACGGACATC
 AGGCTCATAGGTATCAAGACCACGAGGAGGAGGATGACGGAGATTCGGACGAAGATTCTCACACCCACAG
 AGTGCAGGGGCGAGAGGACGAGAACGACGATGAGGACGGCGATTCCGGCGAGTACCGACCCACACATCG
 GATCACACGAGGCCACAATGAAGAGCAGGATGACGATGATGACGATGACGACGACGATGAGGATAAGGAGG
 ATTCTACAGAGCACAGACATCAAACCTCAGGGACATCGCAAGGAAGAGGACGAAGATGAGTACAGCAGGA
 CGACCATCATGTTAGCAGACACGGAAGACAGGGCTATGAGGAAGAAGAGGATGACGATGACGATGACGGT
 GACGACGACTCCACTGAGCAGTCCATCAGGCCACCAGCATAGAGATCATGAGCATAAAGATGACGAAG
 ATGACAGTGGAGGAGTACCACCATGTGCCTTCTCACGGAAGACAGAGCCATCAAACGAGGAGGAAGA
 AGACGAAGCCGTGAGCACCAGCATTGGCACCAATCCCCTCGCCATGCTCATCACGATCTCGGTGAGAG
 TCTGAAGAGGAGGTAGCCGTGAAGTACAGCCACCAGTCCGATCTCACAGGCCACAGGGACACAATGCCG
 ATCGCGAGGAAGATTCTTTGGAGGAGCACATGAACGAAGTTCAGGTACCACCATCACCGGGCCTCCAG
 GGGGATGACGAAGACATCTCCACAGAGTTCGGCCACAAGGCCCCCTCTCATCGCCTCCAGGACCAGGAC
 GAGCGGGCCCGCAAGGCCATCGAGAGCCCGTCCAGGGGAAATCGCTCACAGCCTCTTCAGCCTACCG
 GACCCAGCTCCCGGGAGAGCAGGAAGGAGGGTGTACACAGCAGCCAGGAGGGCGACGAGGACCCTGAGCA
 AAGGCAGGCCATTAGAGGAGGAGAAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAAAAG
 GAAGGCGGCCACAGCCTCCGATGAGTCAGGAGGACGACGAGGAAGAAGAAAAGGACGAAAAGGAGTCCA
 AAGTTGACCGAGCCCGTGTCCGCCCCCTGTCCCATCATCGAAAACAGGGGGAGGAGGAAGAAGAGGA
 GGAAGAAGAGGAGGAGGAGGAAATCTGGAAGAAAACCTCCTGCCATTCACAATCATACCGAACCCCTG
 GCAGGGAGAGAGGTGGCAGAGAGAAGGCAGTTCTGAGGAGGAGTCCAGAGAAGTTACAGGCCAGCAAGACG
 CGCAAGAGTACGAGAATTACCAGCCAGGCTCCCTGTGCGGCTATTGTAGTTTTTGTAAACCGATGTACTGA
 GTGCGAAAAGCTGCCACTGCGACGAGGAGAACATGGGAGAGCATTGCGACCAAGTCCCAACATTGTAGTTT
 TGCTACCTCTGTCCCCTGGTATGTGATACTCTCTGCACTCCGGGCTCATATGTGGATTATTTTTCCAGTA
 GTTTGTATCAAGCACTGGCAGATATGCTTGAGACTCCAGAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215279 representing NM_010473
 Red=Cloning site Green=Tags(s)

MGFQGPWLHTCLLWATVAILLVPPVVTQELRGAGLGLGNWNNAGIPGSSEDLSTFGHHIHRGYQGEKD
 RGHREEGEDFSREYGHRVQDHRYPGREVGEENVSEEVFRGHVRQLHGHREHDNEDLGDSAENHLPRQRSH
 SHEDEGDIVSSEYHRHVPRHAHHGHGEEDDDGGEEEEERVDVMEDSDDNEHQVHGHQSHSKERDELHHA
 HSHRHQGHSDDDDDGGVSTEHGHQAHRYPDHEEEDDGDSDSDSHTRVQGREDEDEDEDGDSGEYRHHTQ
 DHQGHNEEQDDDDDDDEDKEDSTEHRHQTQGHRKEEDESEDEDDHHVSRHGRQGYEEEEDDDDDDG
 DDDSTEHVHQAHRHRDHEHKDDEDDSEEDYHHVPSHGRQSHQNEEEDEAVSTEHWQSPRHAHDLGRE
 SEEEVAVKYSHHVASHRPQGHNADREEDSLEEHMNEVPGHHHRASRGDDEDI STEFGHKAPSHRLQDQD
 ERARQGHREPQQGEIAHQPLQPTGPSSRESRKEGDHSSQEGDEDPEQRQAHSEEEKEEEEEEEEEEEK
 EGGHSLPMSQEDDEEEKDEKESKVDRAAVSAPLSHHRKQGEEEEEEEEEEEILEENLLPFTIIPNPL
 AGREVAREGSSEESREVTGQQAQYENYQPGSLCGYCSFCNRCTECESCHCDEENMGEHCDQCQHCQF
 CYLCPLVCDTLCTPGSYVDYFSSSLYQALADMLETPEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010473

ORF Size: 2214 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_010473.2](#), [NP_034603.2](#)

RefSeq Size: 2443 bp

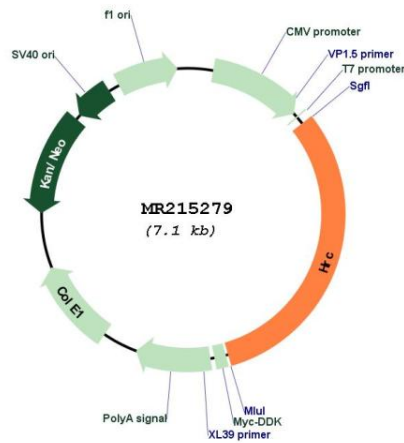
RefSeq ORF: 2217 bp

Locus ID: 15464

Cytogenetics: 7 29.26 cM

MW: 85.2 kDa

Product images:



Circular map for MR215279