

Product datasheet for **SC303130**

HRC (NM_002152) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRC (NM_002152) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRC
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002152 edited
 CTCCGGAGACAGCCTCAGAGGGGTGCCAGAGCCAGGCAGCAAGGACCAGAGGAAGGTGG
 ACAGAGACCGAAAGGACAAAGGAGAGACACAGAGAAAAAAGAGACCAACCCCAAAGGGA
 CAAAGACCCCAACGTTTGTCCACATTGCCGCAGAGGCAGCTGGAGCCAGTGTCTGCCTGTC
 CGTCCCATGGGCCACCATAGGCCATGGCTGCACGCTTCTGTCTCTGGGCTGGGGTGGC
 CAGCCTGTCTCTCCCCCGGCCATGACCCAGCAGCTCAGAGGGGATGGGCTAGGCTTCAG
 AAACCGGAACAACAGCACTGGAGTCGCGGGCTCTCCGAGGAGGCATCAGCAGAGCTTCG
 CCACCACCTCCACAGCCCTAGAGACCATCCAGATGAGAACAAGGATGTTTCCACAGAGAA
 TGGGCATCATTTCTGGAGCCACCCAGACCGTGAAAAGGAGGATGAAGATGTCTCCAAGGA
 ATATGGGCACCTACTCCCAGGCCACAGGTCCAAAGACCACAAAGTCGGAGATGAGGGTGT
 CTCAGGTGAGGAGGTCTTTCAGAGCATGGTGGGCAGGCCGTGGGCACAGAGGCCACGG
 GAGTGAAGACACGGAAGACTCAGCTGAGCACAGGCACCACCTCCCAGCCACAGGAGCCA
 CAGCCATCAAGACGAGGATGAGGATGAAGTTGTGTCCAGTGAGCATCACCATCATATCCT
 CAGGCATGGACACCGAGGCCATGATGGGAAGATGATGAAGGAGAAGAGGAGGAGGAGGA
 GGAGGAGGAGGAAGAGGAGGCCCTCCACTGAGTATGGACACCAGGCCACAGGCACCGAGG
 CCATGGGAGTGAAGAGGATGAGGATGTCTCAGATGGACACCATCATCATGGCCCCAGCCA
 CAGGCACCAAGGCCATGAAGAAGATGACGATGATGATGATGATGATGATGATGATGATGA
 TGATGATGATGTCTCATTGAATATAGACACCAGGCTCACAGGCACCAAGGCCACGGGAT
 TGAAGAGGATGAAGATGTCTCAGATGGACACCATCATCGCAGCCACAGCCACAGGCACCG
 AAGCCATGAAGAAGATGACAATGATGATGATGATGATGATGATGATGATGATGATGATGATG
 CCACAGGCACCAAGACCACAGAAAGGAAGAGGTTGAGGCTGTCTCAGGTGAACACCACCA
 TCATGTCCCTGACCACAGGCACCAAGGCCACAGAGACGAGGAAGAAGATGAGGATGTGTC
 CCAAGAACGTTGGCACCAGGGTCCCCAACATGTCCACCATGGCCTTGTAGATGAGGAAGA
 GGAAGAAGAGGAGATCACAGTCCAGTTCGGCCACTATGTTGCAAGCCACCAACCTCGAGG
 CCAACAAGAGTGATGAAGAGGACTTCCAAGATGAGTATAAAAACAGAAGTCCCTCACCATCA
 CCACCACAGAGTCCCAGGGAGGAAGATGAGGAGGTCTCTGCTGAGCTTGGCCACCAGGC
 CCCCAGCCACAGGCAAAGCCACCAAGATGAAGAAACTGGCCATGGTCAAAGAGGGTCCAT
 CAAAGAGATGAGCCATCACCCCCAGGACACACAGTGGTCAAGGATAGAAGCCATTTGAG
 GAAGGATGATTCTGAGGAGGAAAAGGAGAAGGAAGAGGACCCCGGCTCCCATGAGGAAGA
 CGATGAAAGTTTCCAGAGCAGGAGAGAAAAGGCACCCATCATGGCAGCCGGGACCAGGAAGA
 TGAGGAGGATGAGGAGGAAGTTCATGGCCTCAGCCTGAACCAGGAGGAGGAAGAAGAGGA
 AGACAAGGAGGAGGAGGAGGAGGAAGAAGACGAGGAGAGGAGGGAAGAGAGGGGCTGAGGT
 TGGGGCCCCACTGAGCCAGACCACAGCGAGGAGGAAGAGGAGGAGGAGGAGGGGCTGGA
 GGAAGATGAGCCCGCTTACCATCATCCCAACCCACTGGACAGGAGAGAGGAGGCTGG
 AGGTGCCTCCAGCGAGGAGGAAAGCGGTGAGGACACAGGTCCACAGGATGCTCAGGAGTA
 TGGGAATACCAGCCAGGGTCCCTGTGTGGCTACTGCTCCTTCTGCAATCGATGCACTGA
 ATGTGAGAGCTGTCACTGTGATGAGGAGAACATGGGTGAGCACTGCGACCAGTGCCAGCA
 CTGTGAGTTCTGCTATCTCTGCCGCTGGTCTGCGAAACGGTCTGCGCTCCAGGAAGCTA
 CGTTGACTATTTCTCTCTGCTCCCTTTATCAGGCCCTGGCAGACATGCTGGAAACGCCGGA
 ACCCTGACCCAGTCGCTCGACTGCGACGCAGGTGTACCTCCCCCTGCCTTCCAACCCCTT
 TCCACGAGCTATATTTATTTCTCCGAATAAACGTGCTCCCGAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002152

Insert Size: 2400 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002152.2 , NP_002143.1
RefSeq Size:	2430 bp
RefSeq ORF:	2100 bp
Locus ID:	3270
UniProt ID:	P23327
Cytogenetics:	19q13.33
Gene Summary:	This gene encodes a luminal sarcoplasmic reticulum protein identified by its ability to bind low-density lipoprotein with high affinity. The protein interacts with the cytoplasmic domain of triadin, the main transmembrane protein of the junctional sarcoplasmic reticulum (SR) of skeletal muscle. The protein functions in the regulation of releasable calcium into the SR. [provided by RefSeq, Sep 2008]