

Product datasheet for **SC304404**

HERC5 (NM_016323) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HERC5 (NM_016323) Human Untagged Clone
Tag:	Tag Free
Symbol:	HERC5
Synonyms:	CEB1; CEBP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016323 edited

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ATGGAGCGGAGGTCGCGGAGGAAGTCGCGGCGCAACGGGCGCTCGACCGCGGGCAAGGCC
GCCGCGACCCAGCCCGCAAGTCTCCGGGCGCACAGCTCTGGCTCTTTCCAGCGCGCG
GGCTCCACCGCGCGCTGCTCCGGAGGGTGGAGGTGACGCGCCAACCTCTGCTGCTCGCCG
GGGCGCCTCGCGGTCTTGGAACGCGCGGGGCGGGCGTCCAGGTTACCAGCTGCTCGCC
GGGAGCGGCGGCGCCGACGCCGAAATGCATTAAATTAGGAAAAACATGAAGATACAT
TCAGTGGACCAAGGAGCAGAGCACATGCTGATTCTCTCATCAGATGGAAAACCATTTGAG
TATGACAACTATAGCATGAAACATCTAAGGTTTGAAAGCATTTTACAAGAAAAAATA
ATTCAGATCACATGTGGAGATTACCATTTCTTGCACTCTCAAAGGTGGTGAGCTTTTT
GCCTGGGACAGAACCTGCATGGGCAGCTTGAGTTGGAAGGAAATTTCCCTCAACCACC
ACACCACAGATTGTGGAGCACCTCGCAGGAGTACCCTTGCTCAGATTTCTGCCGGAGAA
GCCACAGCATGGCCTTATCCATGTCTGGCAACATTTATTCATGGGGAATAATGAATGT
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TCTCCACCCCAAGAAGCTTTAGAAATTTCTTCTCTCCAGAAATGCTCTGTGATGCAT
ATTTCCAACAACCTGGGAGAGCCTTGTGGTTCATTTGCAAGGTTGTTTGTAATGAGT
  
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GACCAGTCTTCACTGGTTCTGGAAGAGTATTGGGCAACTCTGCAAGAATCCACTTTCAGC
AACTGGTCCAGATGTTTAAACAGCCGTCATATGCCAGTTGGATTACTGGGATGAAAGT
GCTGAGGAGAATGGTAATGTTCAAGCTCTCCTAGAAATGTTGAAGAAGCTGCACAGGTA
AACCAGGTGAAATGTCAACTACCTGAAAGTATTTTCCAAGTAGACGAACCTTGCACCGT
CTCAATTTTTTTGTAGAAGTATGCAGAAGTACTTGTGGAAAATGACTGTGGACGCTTCA
GAAAATGTACAATGCTGCGTCATATTCAGTCACCTTCCATTTATCTTTAATAATCTGTG
AAAATTAACACTACTACATACAGACACACTTTTAAAAATAGAGAGTAAAAACATAAAGCT
TATCTTAGGTCGGCAGCAATTGAGGAAGAAAGAGAGTCTGAATTCGCTTTGAGGCCACG
TTTGATCTAACAGTCAGAAGGAATCACTTGATTGAGGATGTTTTGAATCAGCTAAGTCAA
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TGCAATGTTGCCAACCTCCCTTTCCCACTGGCACTGTTTAAAGAACTTTTGGACCAAATG
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AAGAGAGACTATGTTTCTAAGTATATCAATTACATTTTCAACGACTCTGTAAAGCGGTT
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GGAAGTACAGACTACAAATGAAAGATTAAATAATATGAAAATAACATTTTGCTGCTCCT
GAAAGTTGGAATGAAAGAGACCTATAAGAGCACTGACATGTTTCAGTGCCTCTTCTCCTC
CCTAAATATTCTACAATGGAACAGTTGAAGAAGCGCTTCAAGAAGCCATCAACAACAAC
AGAGGATTTGGCTGA

Restriction Sites:

Please inquire

ACCN:

NM_016323

Insert Size:

3100 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:	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:	<u>NM_016323.1, NP_057407.1</u>
RefSeq Size:	3502 bp
RefSeq ORF:	3075 bp
Locus ID:	51191
UniProt ID:	<u>Q9UII4</u>
Cytogenetics:	4q22.1
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of the HERC family of ubiquitin ligases and encodes a protein with a HECT domain and five RCC1 repeats. Pro-inflammatory cytokines upregulate expression of this gene in endothelial cells. The protein localizes to the cytoplasm and perinuclear region and functions as an interferon-induced E3 protein ligase that mediates ISGylation of protein targets. The gene lies in a cluster of HERC family genes on chromosome 4. [provided by RefSeq, Jul 2008]