

Product datasheet for **SC304987**

HERC4 (NM_022079) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HERC4 (NM_022079) Human Untagged Clone
Tag:	Tag Free
Symbol:	HERC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304987 representing NM_022079. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTGCTGGGAAATGCATCCTTTGGGCAGCTAGGTTTGGGTGGAATTGATGAAGAAATGTACTA
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CCTCCACTATTCCTCAAGATAGTAGAACTTTTTAAGGAAGTTGTGGTACATCTTTTGAAACTCTACAAG
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 GAAGTGAAGAGCTGGTTCTAAATGGTGCAGACACAGCTGTTAACAAACAAAATCGCAAGAGTTTGTGTC
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 CATAAGGTCTGTGGAGGAAAAGTCTTCTGCTCTTTCAGCCTAATGAACTACAAGCAATGGTCATTGGA
 AATACAAATTAATGATTGGAAGGAACTGGAAAAGAATACAGAATACAAAGGGGAATATTGGGCAGAACAT
 CCTACGATAAAAAATTTTTGGGAAGTATTTACGAATTACCATTGGAAAAGAAGAAACAGTTTCTGTTA
 TTTTTGACAGGTAGTATCGCATTCTTCTTTGGTATGAAGAGTCTGAACTAGTCATCCAGTCCACA
 GGAGGTGGTGAGGAGTATCTCCAGTTCCCACTTGTTTAATCTTCTGGATCTTCAAAAATATACA
 GAAAAAGAACTCTACGCTCTAAACTGATCCAAGCTATTGATCACAATGAAGGCTTCAGTTAATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022079
- Insert Size:** 3174 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:**
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_022079.1](#)

RefSeq Size:	4531 bp
RefSeq ORF:	3174 bp
Locus ID:	26091
UniProt ID:	Q5GLZ8
Cytogenetics:	10q21.3
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	118.6 kDa
Gene Summary:	<p>HERC4 belongs to the HERC family of ubiquitin ligases, all of which contain a HECT domain and at least 1 RCC1 (MIM 179710)-like domain (RLD). The 350-amino acid HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD is predicted to act as a guanine nucleotide exchange factor for small G proteins (Hochrainer et al., 2005 [PubMed 15676274]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>