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Product datasheet for SC318447

HERC6 (NM_017912) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HERC6 (NM_017912) Human Untagged Clone
Tag:	Tag Free
Symbol:	HERC6
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_017912 edited
GGAGCCTGTCGCAGCGGGACCGACGGAATCCGGAGCAGGCGACAGGGCGCAGAAGCGGGA
TGTACTTCTGTTGGGGCGCCGACTCCAGGGAGCTGCAGCGCCGGAGGACGGCGGGCAGCC
CCGGGGCTGAGCTACTGCAGGCGGCCAGCGGGGAGCGCCACTCTCTGCTGCTGCTGACCA
ACCACAGGGTCCTCTCGTGCGGAGACAACAGCAGGGGTCAGCTGGGCCGCAGGGGCGCGC
AGCGCGGGGAGCTGCCAGAACCAATTCAGGCATTGGAAACCCTAATTGTTGATCTCGTGA
GCTGCGGGAAGGAGCACTCCCTGGCTGTGTGCCACAAAGGAAGGGTCTTCGCATGGGGAG
CTGGTTCTGAAGGGCAGCTGGGGATTGGAGAATTCAAGGAAATAAGTTTCACACCTAAGA
AAATAATGACTCTGAATGATATAAAAATAATACAAGTTTCCTGTGGACACTACCACTCCC
TGGCATTATCAAAAGATAGCCAAGTGTTTTCGTGGGGAAAGAACAGCCATGGGCAGCTGG
GCTTGGGGAAGGAGTTCCCCTCCCAAGCCAGCCCGCAGAGGGTGAGGTCCCTGGAGGGGA
TCCCACTGGCTCAGGTGGCTGCCGGAGGGGCTCACAGCTTTGCCCTGTCTCTCTGTGGGA
CTTCGTTTGGCTGGGGAAGTAACAGTGCCGGGCAGCTGGCCCTCAGTGGGCGTAATGTCC
CAGTGCAAAGCAACAAGCCTCTCTCAGTCGGTGCACTGAAGAATCTAGGTGTGGTTTATA
TCAGCTGTGGTGATGCACACACTGCGGTGCTTACCCAGGACGGGAAAGTGTTCACATTTG
GAGACAATCGCTCTGGACAGCTGGGATACAGCCCCACTCCTGAGAAGAGAGGTCCACAAC
TTGTGGAAAGAATTGATGGCCTAGTTTCGCAGATAGATTGTGGAAGTTATCACACCCTGG
CATATGTGCACACCACTGGTCAGGTGGTATCTTTTGGTCATGGACCAAGTGACACAAGCA
AGCCAACTCATCCGGAGGCCCTGACAGAGAACTTTGACATTAGCTGCCTGATTTCTGCTG
AAGACTTCGTGGATGTTCAAGTCAAACACATTTTTGCTGGAACATATGCCAACTTTGTGA
CAACTCATCAGGATACTAGTTCCACACGTGCTCCCGGGAAAACCCTGCCAGAAATAAGCC
GAATTAGCCAGTCCATGGCAGAAAAATGGATAGCAGTGAAAAGAAGAAGTACTGAACATG
AAATGGCTAAAAGTGAAATTAGAATGATATTTTCATCTCCTGCTTGTCTGACTGCAAG:T
TTTTTAAAGAAAAGAGGAACTGGAGAAACGACTTCCATTGATGTGGACTTAGAAATGGCA
AGAGATACCTTCAAGAAGTTAACAAAAAAGGAATGGATTTCTTCCATGATAACTACGTGT
CTCGAGGATGATCTGCTCAGAGCTCTTCCATGCCATTCTCCACACCAAGAAGCTTTATCA
GTTTTCCTCCTGCTCCCAGAATGTCCTGTGATGCATGATTCTAAGAACTGGAAGAACCTG
GTGGTTCCATTTGCAAAGGCTGTGTGTGAAATGAGTAAACAATCTTTGCAAGTCCTAAAG
AAGTGTTGGGCATTTTTGCAAGAATCTTCTCTGAATCCGCTGATCCAGATGCTTAAAGCA

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GCCATCATCTCTCAGCTGCTTCATCAGACTAAAACCGAACAGGATCACTGTAATGTTAAA
GCTCTTTTAGGAATGATGAAAGAACTGCATAAGGTAAACAAAGCTAACTGTCGACTACCA
GAAAATACTTTCAACATAAATGAACTCTCCAACTTATTAAACTTTTATATAGATAGAGGA
AGACAGCTCTTTCGGGATAACCACCTGATACCTGCAGAAACCCCCAGTCCTGTTATTTTC
AGTGATTTTCCATTTATCTTTAATTCGCTATCCAAAATTAAATTATTGCAAGCTGATTCA
CATATAAAGATGCAGATGTCAGAAAAGAAAGCATACATGCTTATGCATGAAACAATTCTG
CAAAAAAAGGATGAATTTCCTCCATCACCCAGATTTATACTTAGAGTCAGACGAAGTCGC
CTGGTTAAAGATGCTCTGCGTCAATTAAGTCAAGCTGAAGCTACTGACTTCTGCAAAGTA
TTAGTGGTTGAATTTATTAATGAAATTTGTCCTGAGTCTGGAGGGGTTAGTTCAGAGTTC
TTCCACTGTATGTTTGAAGAGATGACCAAGCCAGAATATGGAATGTTCATGTATCCTGAA
ATGGGTTCCTGCATGTGGTTTCCTGCCAAGCCTAAACCTGAGAAGAAAAGATATTTCCTC
TTTGGAATGCTGTGTGGACTCTCCTTATTCAATTTAAATGTTGCTAACCTTCCTTTCCCA
CTGGCTCTGTATAAAAAACTTCTGGACCAAAAGCCATCATTGGAAGATTTAAAAGAACTC
AGTCCTCGGTTGGGGAAGAGTTTGCAAGAAGTTCTAGATGATGCTGCTGATGACATTGGA
GATGCGCTCTGCATACGCTTTTCTATACACTGGGACCAAAATGATGTTGACTTAATTCCA
AATGGGATCTCCATACCTGTGGACCAAACCAACAAGAGAGACTATGTTTCTAAGTATATT
GATTACATTTTCAACGTCTCTGTAAAAGCAGTTTATGAGGAATTTCAGAGAGGATTTTAT
AGAGTCTGTGAGAAGGAGATACTTAGACATTTCTACCCTGAAGAACTAATGACAGCAATC
ATTGGAAATACTGATTATGACTGGAAACAGTTTGAACAGAATTCAAAGTATGAGCAAGGA
TACCAAAAATCACATCCTACTATACAGTTGTTTTGGAAGGCTTTCCACAAACTAACCTTG
GATGAAAAGAAAAAATTCCTCTTTTTCCTTACAGGACGTGATAGGCTGCATGCAAGAGGC
ATACAGAAAATGGAAATAGTATTTCGCTGTCCTGAAACTTTCAGTGAAAGAGATCACCCA
ACATCAATAACTTGTCATAATATTCTCTCCCTCCCTAAGTATTCTACAATGGAAAGAATG
GAGGAAGCACTTCAAGTAGCCATCAACAACAACAGAGGATTTGTCTCACCCATGCTCACA
CAGTCATAATCACCTCTGAGAGACTCAGGGTGGGCTTTCTCACACTTGGATCCTTCTGTT
CTTCCTTACACCTAAATAATACAAGAGATTAATGAATAGTGGTTAGAAGTAGTTGAGGGA
GAGATTGGGGGAATGGGGAGATGATGATGATGGTCAAAGGGTGCAAAATCTCACACAAGA
CTGAGGCAGGAGAATAGGGTACAGAGATAGGGATCTAAGGATGACTTGGACACACTCCCT
GGCACTGAAGAGTCTGAACACTGGCCTGTGATTGGTCCATTCCAGGACCTTCATTTGCAT
AAGGTATCAAACCACATCAGCCTCTGATTGGCCATGGGCCAGACCTGCACTCTGGCCAAT
GATTGGTTCATTCCAGGACATTCATTTGCATAAGGAGTCAAACCACACCAGTCTTGGATT
GGCTGTGAGCCAATTCACCTCAGTCTCTAATTGGCTGTGAGTCAGTCTTTCATTTACATA
GGGTGTAACCATCAAGAAACCTCTACAGGGTACTTAAGCCCCAGAAGATTTTGCTACCAG
GGCTCTTGAGCCACTTGCTCTAGCCCACTCCCACCCTGTGGAATGTACTTTCACTTTTGC
TGCTTCACTGCCTTGTGCTCCAATAAATCCACTCCTTCACCACCCAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_017912

Insert Size: 3900 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_017912.3, NP_060382.3
RefSeq Size:	3903 bp
RefSeq ORF:	3069 bp
Locus ID:	55008
UniProt ID:	Q8IVU3
Cytogenetics:	4q22.1
Domains:	HECT
Protein Families:	Druggable Genome
Gene Summary:	HERC6 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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).