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Product datasheet for MC223353

Herc4 (NM_026101) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Herc4 (NM_026101) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Herc4
Synonyms:	1700056O17Rik; 4921531D01Rik; 9530080M15Rik; mKIAA1593
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223353 representing NM_026101 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTGTGCTGGGGCAATGCATCCTATGGACAACTAGGTTTGGGAGGAATTGATGAAGAAATTGTACTAG AGCCCAGGAGAAGTGACTTTTTCGTGAACAAAAAGGTCCGAGATGTAGGCTGTGGACTCAGGCACACTGT GTTTGTCCTGGATGATGGGACTGTGTACACATGTGGATGTAATGATCTAGGACAGCTAGGTCATGAAAAG TCCAGAAAGAAACCAGAGCAGGTTGTTGCCCTGGATGCCCAGAATATCGTAGCTGTTGCGTGTGGAGAAG CTCACACGTTAGCGCTGAATGACAAGGGCCAGGTGTATGCTTGGGGTCTCGACTCTGACGGACAGCTTGG CCTACAGGGATCAGAGGAATGTATCAGAGTACCCAGAAATATTAAAAGTCTTTCGGATATCCAGATAGTA CAGGTTGCGTGTGGTTACTATCATTCGCTTGCACTTTCTAAAGCAAGTGAAGTTTTCTGTTGGGGACAGA ATAAATATGGCCAGCTGGGTCTAGGCATTGATTGTCAAAAGCAAACTTCACCACAGCTGATTAAGTCTTT GCTTGGAATACCATTCATGCAAGTCGCAGCAGGAGGAGCCCATAGTTTTGTACTCACCCTTTCCGGAGCT ATCTTTGGATGGGGACGTAACAAATTTGGTCAGCTAGGTCTTAATGATGAAAATGATAGGTATGTTCCTA ATTTACTAAAGTCACTAAGATCTCAGAAAATAGTTTATATTTGTTGCGGAGAAGATCATACTGCTGCATT AACCAAGGAAGGTGGAGTGTTTACCTTTGGAGCTGGGGGCTATGGCCAGCTGGGTCATAATTCTACCAGT CATGAGATAAATCCCAGGAAAGTTTTTGAACTCATGGGAAGCATTGTTACTCAGGTCGCTTGTGGAAGGC AGCATACCTCTGCATTTGTTCCTTCTTCAGGACGAATTTACTCCTTTGGTCTTGGTGGTAATGGGCAGTT GGGAACTGGTTCAACCAGCAACAGAAAAAGCCCTTTCACTGTAAAAGGAAACTGGTTTTCTTATAATGGA CAGTGTCCACAAGATATTGGTTCTGAAGACTATTTCTGTGTCAAAAGAATTTTCTCAGGTGGAGATCAAA GCTTTTCACATTACTCTAGTCCTCAGAACTGTGGACCTCCAGATGACTTTAGATGCTCCGACCCTTCCAA GCAGATCTGGACAGTGAACGAAGCTCTGATTCAGAAATGGCTCAGCTACCCCTCTGGAAGGTTCCCTGTG GAGATAGCCAATGAGATAGATGGAACATTTTCTTCATCTGGCTGCCTAAATGGAAGTTTTCTGGCTATTA GCAATGACGATCACTATAGAACAGGTACCAGATTTTCAGGGGTTGATATGAACGCTGCTAGACTCTTATT CCACAAACTTATACAACCTGATCATCCTCAGATATCTCAGCAGGTGGCAGCTAGTTTGGAAAAGAATCTA ATCCCTAAACTGACTAGTTCCCTACCTGATGTTGAAGCTCTGAGGTTTTATCTTACCCTGCCAGAGTGTC

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CCCTGATGAGTGACTGCAACAATTTCACAACAATAGCAATCCCCTTTGGTACAGCTCTTGTGAACCTAGA
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CAGGAGGTGGTGAGAGCTATCTCCCGGTTTCCCATACCTGTTTTAATCTTCTAGATCTCCCAAAATATAC
AGAGAAAGAAACCCTCCGATGTAAACTGATCCAAGCTATTGATCACAATGAAGGCTTCAGTTTAATATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_026101

Insert Size: 3150 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).

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_026101.4, NP_080377.2

RefSeq Size: 4019 bp

RefSeq ORF: 3150 bp

Locus ID:	67345
UniProt ID:	Q6PAV2
Cytogenetics:	10 B4
Gene Summary:	Probable E3 ubiquitin-protein ligase involved in either protein trafficking or in the distribution of cellular structures. Required for spermatozoon maturation and fertility, and for the removal of the cytoplasmic droplet of the spermatozoon. E3 ubiquitin-protein ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer it to targeted substrates.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. It encodes a shorter isoform (2), compared to isoform 1.