

Product datasheet for **SC310202**

HEC1 (NDC80) (NM_006101) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEC1 (NDC80) (NM_006101) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEC1
Synonyms:	HEC; HEC1; HsHec1; hsNDC80; KNTC2; TID3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>SC310202 representing NM_006101. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC ATGAAGCGCAGTTCAGTTTCCAGCGGTGGTCTGGCCGCCTCTCCATGCAGGAGTTAAGATCCCAGGAT GTAATAAACAAGGCCTCTATACCCCTCAAACCAAGAGAAACCAACCTTTGAAAAGTTGAGTATAAAC AAACCGACATCTGAAAGAAAAGTCTCGCTATTTGGCAAAAGAACTAGTGGACATGGATCCCGGAATAGT CAACTTGGTATATTTCCAGTTCTGAGAAAATCAAGGACCCGAGACCACTTAATGACAAAGCATTCAAT CAGCAGTGTATTCGACAACCTCTGTGAGTTTCTTACAGAAAATGGTTATGCACATAATGTGCCATGAAA TCTCTACAAGCTCCCTCTGTTAAAGACTTCTGAAGATCTTACATTTCTTTATGGCTTCTGTGCCCC TCATACGAACTTCTGACACAAAGTTTGAAGAAGAGGTTCCAAGAATCTTTAAAGACCTTGGGTATCCT TTTGCATATCCAAAAGCTCCATGTACACAGTGGGGCTCCTCATACATGGCCTCACATTGTGGCAGCC TTAGTTTGGCTAATAGACTGCATCAAGATACATACTGCCATGAAAGAAAGCTCACCTTTATTTGATGAT GGGCAGCCTTGGGAGAGAAACTGAAGATGGAATTATGCATAATAAGTTGTTTTGGACTACACCATA AAATGCTATGAGAGTTTTATGAGTGGTGCCGACAGCTTTGATGAGATGAATGCAGAGCTGCAGTCAAAA CTGAAGGATTTATTTAATGTGGATGCTTTTAAGCTGGAATCATTAGAAGCAAAAACAGAGCATTGAAT GAACAGATTGCAAGATTGGAACAAGAAAGAGAAAAAGAACCGAATCGTCTAGAGTCGTTGAGAAAACCTG AAGGCTTCCTTACAAGGAGATGTTCAAAAGTATCAGGCATACATGAGCAATTTGGAGTCTCATTACGCC ATTCTTGACCAGAAATTAATGGTCTCAATGAGGAAATGCTAGAGTAGAACTAGAATGTGAAACAATA AAACAGGAGAACACTCGACTACAGAATATCATTGACAACCAGAAGTACTCAGTTGCAGACATTGAGCGA ATAATCATGAAAGAAATGAATTGCAGCAGACTATTAATAAATTAACCAAGGACCTGGAAGCTGAACAA CAGAAGTTGTGGAATGAGGAGTTAAAATATGCCAGAGGCAAGAAGCGATTGAAACACAATTAGCAGAG TATCAAAATTGGCTAGAAAATTAACCTTATTCTTAAGGTGCTGAGAATTCCAAAGGTTATGACTTT GAAATTAAGTTTAAATCCCGAGGCTGGTGCCAACCTGCCTTGTCAAATACAGGGCTCAAGTTTATGTACCT CTTAAGGAACTCCTGAATGAACTGAAGAAGAAATTAATAAGCCCTAAATAAAAAATGGGTTTGGAG GATACTTTAGAACAATTGAATGCAATGATAACAGAAAGCAAGAGAAGTGTGAGAACTCTGAAAGAAGAA GTTCAAAAGCTGGATGATCTTTACCAACAAAAATTAAGGAAGCAGAGGAAGAGGATGAAAAATGTGCC AGTGAGCTTGAGTCCTTGGAGAAACACAAGCACCTGCTAGAAAGTACTGTTAACCAGGGGCTCAGTGAA GCTATGAATGAATTAGATGCTGTTACGCGGAATACCACTAGTTGTGCAAAACACGACTGAAGAAAGA CGAAAAGTGGGAAATAACTTGCAACGTCTGTTAGAGATGGTTGCTACACATGTTGGTCTGTAGAGAAA CATCTTGAGGAGCAGATTGCTAAAGTTGATAGAGAATATGAAGAATGCATGTCAGAAGATCTCTCGGAA AATATTAAGAGATTAGAGATAAGTATGAGAAGAAAGCTACTCTAATTAAGTCTTCTGAAGAATGA ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	Sgfl-MluI
ACCN:	NM_006101
Insert Size:	1929 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_006101.2](#)

RefSeq Size: 2209 bp

RefSeq ORF: 1929 bp

Locus ID: 10403

UniProt ID: [Q14777](#)

Cytogenetics: 18p11.32

Domains: Ndc80_HEC

Protein Families: Druggable Genome

MW: 73.9 kDa

Gene Summary: This gene encodes a component of the NDC80 kinetochore complex. The encoded protein consists of an N-terminal microtubule binding domain and a C-terminal coiled-coiled domain that interacts with other components of the complex. This protein functions to organize and stabilize microtubule-kinetochore interactions and is required for proper chromosome segregation. [provided by RefSeq, Oct 2011]