

Product datasheet for **SC310281**

HECA (NM_016217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	HECA
Synonyms:	dJ225E12.1; HDC; HDCL; HHDC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC310281 representing NM_016217.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAACCCAAAAACAGCAAAGCGCGCGCAAAAAACAAGCGCCAACAGCAGCGGCGACGAGCAG
GAAATGGAGCCGGGGCCCTGGCAGCGCGGGCGCGGGAGCGCGCGGGGGGGCCCTGGCGGCG
GCGGCCGCTTGCAGGGCGCGCGCGGGCGCGCGGGCGCGGAGGCGCGCGGGCGCGCGGAGGCGCG
GGGACTGGCGCCGCAACGCTGCGGCCCGCGCGGGGGCTGCGGCCCGGGCGATGCCAAAAACGAAGCC
CCATGTGCCACTCCCTGATCTGCAGCTTCGGTAGGCCGTGGACCTGGAGAAGGACGACTACCAGAAG
GTGGTGTGCAACAACGAGCACTGCCCTGCAGCACCTGGATGCACCTGCAGTGCTTCTACGAGTGGAG
AGCAGCATCCTCGTCCAGTTCAATGCATCGGCCGCGCGCGAGCTGGAACGAGAAGCAATGCCGCCAG
AACATGTGGACAAGAAGGGCTACGACCTGGCCTTCCGCTTCTGCTTGTCCGCTGTGGCCAGGGCCAC
TTGAAGAAGGACACAGACTGGTATCAGGTGAAGCGGATGCAGGACGAGAAAAAGAAGTCTGGCTCC
GAGAAGAACACAGGAGGCCTCCTGGTGGGCGCGGAGGAGGCAAAAAAGTGCAGGCCCCCAATAAG
CCCCAGAAAGGCCAAGCCACGACCTCCCCCGCGGCATTCCATGGACCGGCAGAACTCCCAGGAGAAG
GCAGTGGGTGCCGAGCCTACGGTGCCCGTTCCCCCGGTGGCTCCCCGGGCCAGTCCCCACCCACGGGC
TACTCCATCCTCTCTCTGCCACTTCAGCGGCCCGCTCCTCCAGATACCTCGGGGAGTTCTTAAAG
AACGCCATCATCTGGAGCCTCACAAGAAGGCCATGGCTGGGGGCCATGTGTTAGAAATGCCACTTT
GATTACAGCCCTGCGGGTTGGCAGTTACAGGGGGGACACTTCGACACCCCGTGCAGTTCTTCGG
CGGCTGGACCTCTCCGAACCTCTCACTCACATCCCAGGCATAAGCTGAACACTTTCACGTGCGCATG
GAAGACGATGCCAAGTGGGCCAGGGGAAGACTTGCAGGAGTTTATTCTGGCCGCGCTCAGTGCCAGC
CACAGAACTGGTAACTGTGCCCTGTGCCACCGGGCGTCCCGGTGTTCAACAGTTCCTACTGGTG
GATGGAATTTGTTCTAAGCCCGTCGAGACATGATGAGATCGAATATGATGTTCTTGTACCTTCAA
GGGAGACTCATGCATCTGTATGCCGTGTGCGTGGACTGCCTGGAAGGGGTTACAAGATCATCTGCATC
AAGTGAAGTACGGTGGGATGGCAGCTGGCACCAGCTGGGCACTATGTACACCTACGACATCTGGCT
GCCTCTCCATGTTGTAGGCCCGCTGAAGTGTAACTGTGGGAAGCCGGTATCGACGTGAGGATC
GGGATGCAGTACTTCTCCGAATATAGCAACGTCCAGCAGTGTCCACACTGTGGGAACCTGGACTACCAC
TTCGTGAAGCCATTTCTCTCTCAAAGTTCTCGAAGCTTATGA
ACGCGTACGCGGCCGTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:

SgfI-MluI

ACCN:

NM_016217

Insert Size:

1632 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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_016217.2</u>
RefSeq Size:	5621 bp
RefSeq ORF:	1632 bp
Locus ID:	51696
UniProt ID:	<u>Q9UBI9</u>
Cytogenetics:	6q24.1
MW:	58.8 kDa
Gene Summary:	This gene encodes the homolog of the Drosophila headcase protein, a highly basic, cytoplasmic protein that regulates the re-entry of imaginal cells into the mitotic cycle during adult morphogenesis. In Drosophila, the encoded protein also inhibits terminal branching of neighboring cells during tracheal development. [provided by RefSeq, Jul 2008]