

Product datasheet for **SC128154**

HECTD2 (NM_182765) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HECTD2 (NM_182765) Human Untagged Clone
Tag:	Tag Free
Symbol:	HECTD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_182765, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGAGGCGGTTCTGGGTACCTCGCCCGCCACTCCGCTGGTGGTGGCGGCGGCCGCGCTGAGGAGA
GGAAAGGGAAGGAGTCAGAGCGCGAGAAGCTGCCGCCCATCGATCGGCGGGCGCCGCGCGACCGCGGG
TTTGACAGAGGAGCCAAAGGCCAAATTTCCACTTTTCAGCAGTTTTATTTTCAGCTGTTAGCCCGAAGAAA
GAAGCTGCTGAAAAACAGAAGTTACCTGCACATCTTGTTTTCCCTAACATCAAGAAATGTGAGAGAACCAC
CACCAATTTGCCTTGATGTTAGACAAAAACAGCGTACATCTATGGATGCATCATATCCGAAATGAAGGC
CCCAGTCTTCCAGAACCTATTCTTCTATCCAGCCCAAACTGTGAAAGACTTTTCAGGAAGATGTAGAA
AAAGTTAAGTCATCAGGAGATTGAAAGCAGTACATGATTTTTATCTAACACGTTTGATTCTTTCCAG
AATTAATGCTGCATTTAAGAAAGATGCCACTGCCTCATTTAACACCATTGAAGACTCTGGGATTAATGC
TAAATTTGTGAATGCTGTGTATGATACCTTACTTAATACTCTCAAGACGTTTCAGAACAGTATTAAG
GGAATCATTAACAGCCTGTTACGAGAATGGAAAGTCCACGAACAAAAGATGATCTTAGAGCATATTTTA
TACTTTTACAGAATCCTCAGTTTAATAACACATCTACGTATGTCATCTATGCTCACTTGCTACGACAGAT
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AAGCAGTTTGCTGCATTTTATTATGGATTTATAGTGTGTGTGCTTCAAATGCCCTAATGCTGCTTCGTC
CAGAAGAGGTTGAAATTTTGGTCTGTGGAAGTCCTGACCTGGATATGCATGCTCTGCAGAGAAGTACTCA
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ACTTTGCCTTCCCCCTACAAGAGCAAAAAGGATCTGAAACAGAAATTGATCATTGGAATTTCAAATTC
AAAGGTTTTGGACTTGAGTAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_182765 unedited
 AGGGCGGCCCGCGATTCCGGCACGAGGCCCGCCGCTGGCGCTCCCGCCCGCCGCGCCGACA
 TGAGTGAGGCGGTTCCGGTACCCCTCGCCCGCCACTCCGCTGGTGGTGGCGGCGCCGCGC
 CTGAGGAGAGGAAAGGGAAGGAGTCAGAGCGCGAGAAGCTGCCGCCCATCGTATCGGCGG
 GCGCCGGCGCGACCGCGGTTTGGACAGAGGAGCCAAAGGCCAAATTTCCACTTTTCAGCA
 GTTTTATTTTCAGCTGTTAGCCCCAAGAAAGAGCTGCTGAAAACAGAAGTTCACCTGCAC
 ATCTTGTTCCTTAACATCAAGAATGTGAGAGAACCACCAATTTGCCTTGATGTTA
 GACAAAAACAGCGTACATCTATGGATGCATCATCATCCGAAATGAAGGCCCGAGTCCTTC
 CAGAACCTATTCTTCTATCCAGCCCAAACTGTGAAAGACTTTTCAGGAAGATGTAGAAA
 AAGTTAAGTCATCAGGAGATTGGAAGCAGTACATGATTTTTATCTAACACGTTTGATT
 CTTTCCAGAAATTAATGCTGCATTTAAGAAAGATGCCACTGCCTCATTTAACACCATTG
 AAGACTCTGGGATTAATGCTAAATTTGTGAATGCTGTGTATGATACCTTACTTAATACTC
 CNTCAGACGTTTCAAGACAGTATTAAGGGGATCATTACAGCCTGGTACGAGATGGGG
 AAGTCCACGAACANAGATGATCTTAGAGCATATTTATACTTTTACAGAATCCTCAGTTTT
 ATACACATCTACGTATGTCATCTATGCTCACTTGTACGACAGATAGCTACCCTAGTGGG
 AGCTGACATCATTTCTAANTCACTGGTTAAAAAATGTCCCAAAAAGGTTCAACAATGGT
 AAAAAAATGCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_182765 unedited
 NAAAACTTTGGAACCGCGCCGCAATCTAGGATCCGGTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTGACCGGATAATTTAATATTTGAAAAATTGCCTCCCGAAATT
 AATACCATAACGATTTGTCCAAAAAGGAAGGGCGTAAAACTTCTAATCCTACCGACCA
 AAATTTGACTGGCTAAGCCAAGATTTAAAAAAGGGCCGGGTGTTAAAAAATACTGATA
 AATACCGGGGAAGGCTTTAATTTACTGGGGCCGATACCAAAATCAATAATTCCTTAACCG
 ATTTTTTTGTAAAAAAGTAACCTGAATTTTCTAGCTTTTTAAATTAATAAAATGT
 AACAGTAGGGGTTTTATTTTTTAAATGAGGGATTATTACCCTGGGAACCCAAAACCGAG
 CCCCAATTAATAAAGGCCATGGGCAATTTAGTGATAAATGATTATACCTTTCACTTAAC
 AACAGATAACAAAAATTTCTAGTTATTTATGGGCTTCGTCATCTAAAAATTTGGCTTGC
 TTGGGTGGACTTCTTATTTAAAAGTGACACAGCTAATCGATATACAAGCACATCATTAAC
 CATGCAGACCAAGCCAACACAATTTTCCCTGAGTCATCTACCAAATAAAAACTGTTT
 ACATTTTATTTAAAACACTTAAATCTGGTTTCTTATACATGTTTTCTTTTGGGCTTATAAG
 TGGAACCTACCTTAAAAAGCTGATTTTCTAGTTCAAGCCCGGTGAGAAAGAACCATTTT
 TATTTGCATATGGTTTTAAACCAGAGCCAATTGGACCCAAACCGGATGGCTTTAAACTC
 TCCTAAGGCTTTCCAAGATTTTTTAAAAGAAATACCCTTGAAATAAATTCCTCAATGG
 GAGAGCCAAAACCTTTCCATCTCCAGAN

Restriction Sites:

NotI-NotI

ACCN:

NM_182765

Insert Size:

4700 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:	<u>NM_182765.1, NP_877497.1</u>
RefSeq Size:	4823 bp
RefSeq ORF:	2331 bp
Locus ID:	143279
UniProt ID:	<u>Q5U5R9</u>
Cytogenetics:	10q23.32
Protein Families:	Druggable Genome
Gene Summary:	Probable E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) lacks an alternate in-frame exon in the 5' coding region compared to variant 3. It encodes isoform a which is shorter compared to isoform c.