OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG207254

HECTD2 (NM_182765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HECTD2 (NM_182765) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HECTD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG207254 representing NM_182765
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAGGCGGTTCGGGTACCCTCGCCCGCCACTCCGCTGGTGGTGGCGGCGGCCGCGCCTGAGGAGA
GGAAAGGGAAGGAGTCAGAGCGCGAGAAGCTGCCGCCCATCGTATCGGCGGGCGCCGGCGCGACCGCGGG
TTTGGACAGAGGAGCCAAAGGCCAAATTTCCACTTTCAGCAGTTTTATTTCAGCTGTTAGCCCGAAGAAA
GAAGCTGCTGAAAACAGAAGTTCACCTGCACATCTTGTTTTCCTTAACATCAAGAATGTGAGAGAACCAC
CACCAATTTGCCTTGATGTTAGACAAAAACAGCGTACATCTATGGATGCATCATCATCCGAAATGAAGGC
CCCAGTCCTTCCAGAACCTATTCTTCCTATCCAGCCCAAAACTGTGAAAGACTTTCAGGAAGATGTAGAA
AAAGTTAAGTCATCAGGAGATTGGAAAGCAGTACATGATTTTTATCTAACAACGTTTGATTCTTTCCCAG
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GGAATCATTAACAGCCTGTTACGAGAATGGAAAGGTCCACGAACAAAAGATGATCTTAGAGCATATTTTA
TACTTTTACAGAATCCTCAGTTTAATAACACATCTACGTATGTCATCTATGCTCACTTGCTACGACAGAT
AGCTACCTTAGTGGAAGCTGACCATCATTTCCTAGTTCACTGGTTTAAAAAATTGTCCCAGAAGAGGTTC
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CACCTATAACAAAGTGTTCCTGGTGGATTCCATCAGCCGCTAAAGTGTTGGCTTTACTTAATACTGCAAA
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TCCTAGTGGTCAAAATATACCAGTAGGCATCTGCAATGTTACCGTGGACGACTTATGTCAAATTATGCCT
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CAGAAGAGGTTGAAATTTTGGTCTGTGGAAGTCCTGACCTGGATATGCATGCTCTGCAGAGAAGTACTCA
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TGAACTTTAAAATCTCAAAGAATGAAACTTCTACTAACTGCTTACCTGTGGCCCATACCTGCTTCAATCA
ACTTTGCCTTCCCCCCTACAAGAGCAAAAAGGATCTGAAACAGAAATTGATCATTGGAATTTCAAATTCA
GAAGGTTTTGGACTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

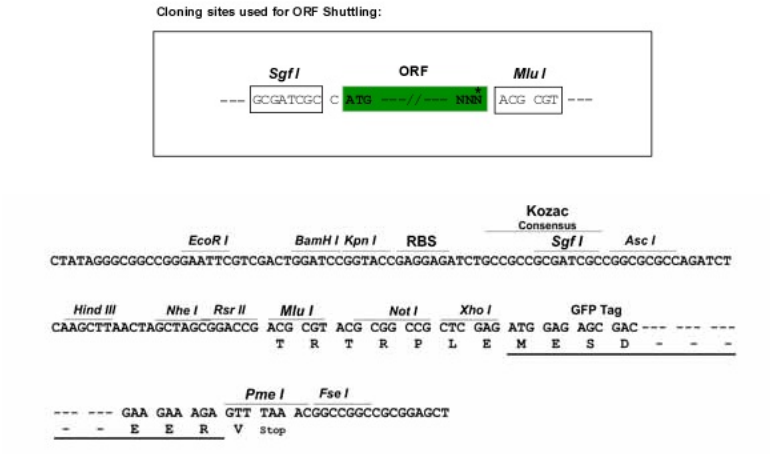
>RG207254 representing NM_182765
Red=Cloning site Green=Tags(s)

MSEAVRVPSPATPLVVAAAAPEERKGKESEREKLPPIVSAGAGATAGLDRGAKGQISTFSSFISAVSPKK
EAAENRSSPAHLVFLNIKNVREPPPICLDVRQKQRTSMDASSSEMKAPVLPEPILPIQPKTVKDFQEDVE
KVKSSGDWKAVHDFYLTTFDSFPELNAAFKKDATASFNTIEDSGINAKFVNAVYDTLLNTPQDVQKTVLK
GIINSLLREWKGPRTKDDLRAYFILLQNPQFNNTSTYVIYAHLLRQIATLVEADHHFLVHWFKKLSQKRF
KQLVERLLQFISLRLFPAKPEEFPPITKCSWWIPSAAKVLALLNTANNLVHPPLIPYTDFYNSTLDHIDL
MEEYHTWQNFGNSHRFSFCQYPFVISVAAKKIIIQRDSEQQMINIARQSLVDKVSRRQRPDMNILFLNMK
VRRTHLVSDSLDELTRKRADLKKKLKVTFVGEAGLDMGGLTKEWFLLLIRQIFHPDYGMFTYHKDSHCHW
FSSFKCDNYSEFRLVGILMGLAVYNSITFDIRFPPCCYKKLLSPPIIPSGQNIPVGICNVTVDDLCQIMP
ELAHGLSELLSHEGNVEEDFYSTFQVFQEEFGIIKSYNLKPGGDKISVTNQNRKEYVQLYTDFLLNKSIY
KQFAAFYYGFHSVCASNALMLLRPEEVEILVCGSPDLDMHALQRSTQYDGYAKTDLTIKYFWDVVLGFPL
DLQKKLLHFTTGSDRVPVGGMADLNFKISKNETSTNCLPVAHTCFNQLCLPPYKSKKDLKQKLIIGISNS
EGFGLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182765

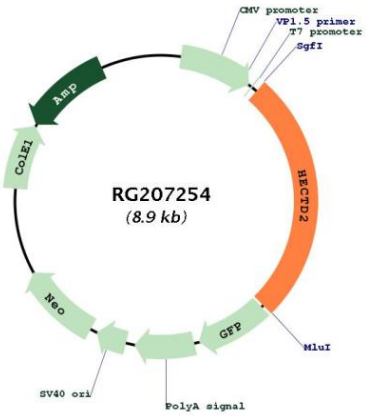
ORF Size: 2328 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_182765.2
RefSeq Size:	4823 bp
RefSeq ORF:	2331 bp
Locus ID:	143279
UniProt ID:	Q5U5R9
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]

Product images:



Circular map for RG207254