

Product datasheet for **RC207254**

HECTD2 (NM_182765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HECTD2 (NM_182765) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HECTD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207254 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAGTGAGGCGTTTCGGGTACCTCGCCGCCACTCCGCTGGTGGTGGCGGCGGCCGCGCCTGAGGAGA
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ACTTTGCCTTCCCCCTACAAGAGCAAAAAGGATCTGAAACAGAAATTGATCATTGGAATTTCAAATTCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207254 protein sequence

Red=Cloning site Green=Tags(s)

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MSEAVRVSPATPLVAAAAPEERKGKESEREKLPIVSAGAGATAGLDRGAKGQISTFSSFISAVSPKK
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KVKSSGDWKAVHDFYLTTFDSFPELNAAFKKDATASFNTIEDSGINAKFVNAVYDTLLNTPQDVQKTVLK
GIINSLLEWKGPRTKDDLRAFYILLQNPQFNNTSTYVIYAHLLRQIATLVEADHHFLVHWFKKLSQKRF
KQLVERLLQFISLRLFPAPKEEFPPITKCSWWIPSAKVLALLNTANNLVHPPLIPYTDYFNSTLDHIDL
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EGFGL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6140_b06.zip

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: 4963 bp

RefSeq ORF: 2331 bp

Locus ID: 143279

UniProt ID: [Q5U5R9](#)

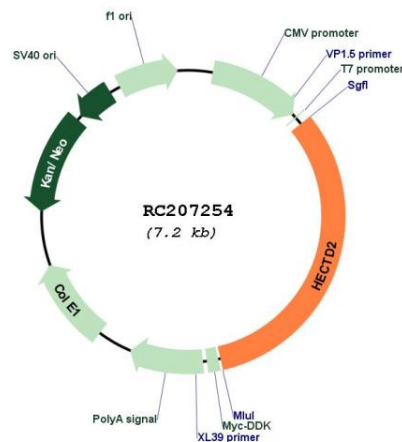
Cytogenetics: 10q23.32

Protein Families: Druggable Genome

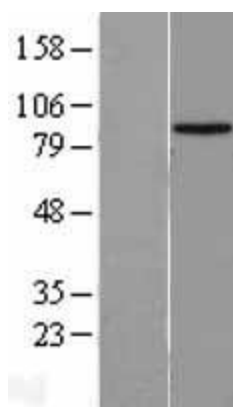
MW: 88.1 kDa

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]

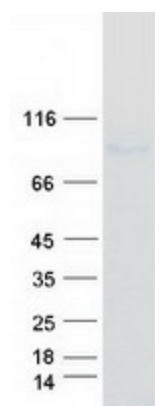
Product images:



Circular map for RC207254



Western blot validation of overexpression lysate (Cat# [LY403656]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207254 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HECTD2 protein (Cat# [TP307254]). The protein was produced from HEK293T cells transfected with HECTD2 cDNA clone (Cat# RC207254) using MegaTran 2.0 (Cat# [TT210002]).