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Product datasheet for RC220357

HECTD3 (NM_024602) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HECTD3 (NM_024602) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HECTD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC220357 representing NM_024602
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGTCCTGGCCCGGGCGCGGTGCTGGAGTCCCCCCGGCAGCTGCTGGGCCGCGTGCGCTTCTTGG
CAGAGGCAGCGCGGAGCCTCCGCGCCGGGCGGCCGCTGCCAGCAGCGCTGGCTTTCGTGCCGCGAGAGGT
GCTCTACAAGCTTTACAAGGACCCAGCGGGACCGTCGCGCGTGCTTCTGCCGGTGTGGGAGGCAGAGGGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220357 representing NM_024602
Red=Cloning site Green=Tags(s)

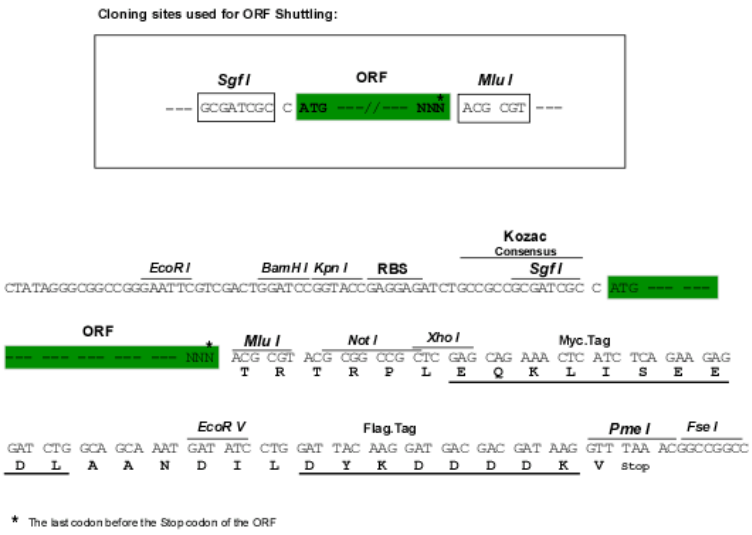
MAGPGPGAVLESPRQLLGRVRFLAEAARSLRAGRPLPAALAFVPREVLYKLYKDPAGPSRVLLPVWEAEG
LGLRVGAAGPAPGTGSGPLRAARDSIELRRGACVRTTGEELCNGHGLWVKLTKEQLAEHLGDCGLQEGWL
LVCRPAEGGARLVPIDTPNHLQRQQQLFGVDYRPVLRWEQVVDLTYSHRLGSRPQPAEAYAEAVQRLLYV
PPTWTYECDEDLIHFLYDHLGKEDENLGSVKQYVESIDVSSYTEEFNVSCLTDSNADTYWESDGSQCQHW
VRLTMKKGTIVKKLLLTVDTTDDNFMPKRVVVYGGEGDNLKKLSDVSIDETLIGDVCVLEDMTVHLPIIE
IRIVECRDDGIDVRLRGVKIKSSRQRELGLNADLFQPTSLVRYPRLEGTDPEVLYRRAVLLQRFIKILDS
VLHHLVPAWDHTLGTFSEIKQVKQFLLLSRQRPGLVAQCLRDSESSKPSFMPRLYINRRLAMEHRACPSR
DPACKNAVFTQVYEGLKPSDKYEKPLDYRWPMRYDQWWECKFIAEGIIDQGGGFRDSLADMSEELCPSSA
DTPVPLPFFVRTANQGNGTGEARDMYVPNPSCRDFAKYEWIGQLMGAALRGKEFLVLALPGFVWKQLSGE
EVSWSKDFPAVDSVLVKLLEVMEGMDKETFEFKFGKELTFTTVLSDQQVVELIPGGAGIVVGYGDRSRFI
QLVQKARLEESKEQVAAMQAGLLKVVPQAVLDLLTWQELEKKVCGDPEVTVDALRKLTRFEDFEPSDSRV
QYFWEALNNFTNEDRSRFLRFVTGRSRLPARIYIYPDKLGYETTDALPESSTCSSTLFLPHYASAKVCEE
KLRYAAYNCVAIDTDMSPWEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2903_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024602

ORF Size: 2583 bp

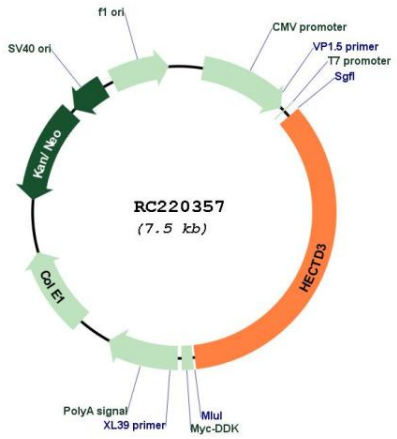
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

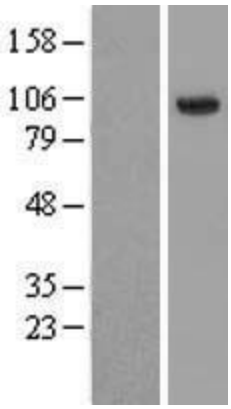
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
RefSeq:	NM_024602.6
RefSeq Size:	3628 bp
RefSeq ORF:	2586 bp
Locus ID:	79654
UniProt ID:	Q5T447
Cytogenetics:	1p34.1
Domains:	HECT
Protein Families:	Druggable Genome
MW:	97.6 kDa
Gene Summary:	The protein encoded by this gene transfers ubiquitin from an E2 ubiquitin-conjugating enzyme to targeted substrates, leading to the degradation of those substrates. The encoded protein has been shown to transfer ubiquitin to TRIOBP to facilitate cell cycle progression, and to STX8. [provided by RefSeq, Dec 2012]

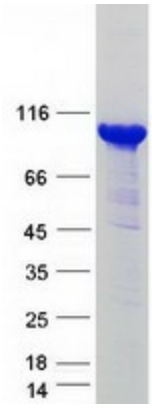
Product images:



Circular map for RC220357



Western blot validation of overexpression lysate (Cat# [LY411194]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220357 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HECTD3 protein (Cat# [TP320357]). The protein was produced from HEK293T cells transfected with HECTD3 cDNA clone (Cat# RC220357) using MegaTran 2.0 (Cat# [TT210002]).