

Product datasheet for **MR210986**

Hectd3 (NM_175244) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hectd3 (NM_175244) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hectd3
Synonyms:	1700064K09Rik; AI467540; AW743312
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210986 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGGCCCTGGCCCCGGCGCGCGCTTGTAGTCCCCGGCGAGCTCCTGGGTGCGGTGCGCTTCTGG
 CGGAGGCGGCGCGGAGCCTCCGGGCGGGCTGCCACTGCCTGCGGCGCTAGCTTTGTCGCGCGGAAAGT
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 ACATCGCTGGGATCCAGGCCTCAGCCAGCAGAGGCATATACAGAAGCTATACAAAGGCTACTCTATGTG
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210986 protein sequence
 Red=Cloning site Green=Tags(s)

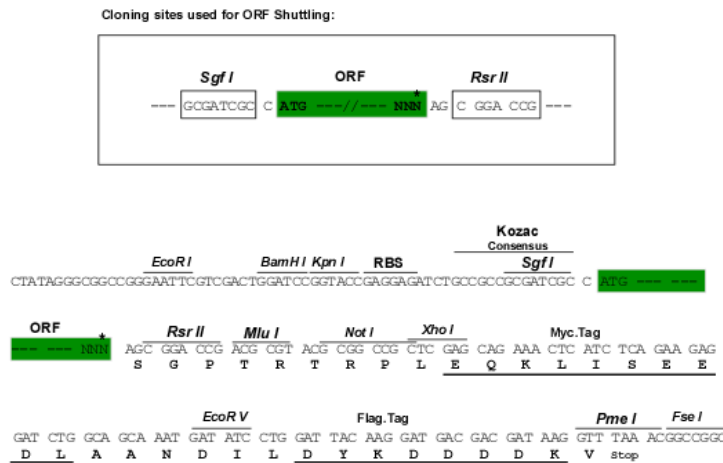
MAGPGGAALESQRQLLGRVRFLEAAARSLRAGLPLPAALAFVPREVLYKLYKDPAGPSRVLLPVWEAEG
 LGLRVGAVGAAPGTGSGPLRAARDSIELRRGACVRTTGEELCNGHGLWVKLTKEQLAEHLSDCSLDEGWL
 LVCRPAEAGGARLVPIIDTPDHLQRQQQLFGVDYRPVLRWEQVVDLTYSHRLLGSRPQPAEAYTEAIQRLLYV
 PPTWTYECDEDLIHFLYDHLGKEDENLGSVKQYVESIDVSSYTEEFNVSCLTDSNADTYWESDGSQCQHW
 VRLTMKKGTIVKLLLTVDTTDDNFMPKRVVVYGGEGDNLKCLSDVNIDETLIGDVCVLEDMTVHLPPIE
 IRIVECRDDGIDVRLRGVVIKSSRQRELGLNADLFQPAASLVRYPRLEGTDPPEVLYRRAVLLQRFIKILDS
 VLHHLVPAWDHTLGTFFSEIKQVKQFLLSRQRPSLVAQCLRDSESSKPSFMPRLYINRRLAMEHRACPSR
 DPACKNAVFTQVYEGKPSDKYEKPLDYRWPMRYDQWWECKFIAEGIDQGGFRDSLADMSEELCPSSA
 DTPVPLPFFVVRTANQNGTGEARMDVYVNPSCRDFAKYEWIGQLMGAALRGKFLVLAALPGFVWKQLSGE
 EVSWSKDFPAVDSVLVKLLEVMGVDKETFEFKFGKELTFTTVLSDQVVELIPGGTGIVVEYEDRSRFI
 QLVRKARLEESKEQVAAMQAGLLKVVPAVLDLLTWQELEKKVCGDPEVTVDALRKLTRFEDFEPDTRV
 QYFWEALNNFTNEDRSRFLRFVTGRSRLPARIYIYDPKLGYETTDALPESSTCSSTLFLPHYASAKVCEE
 KLRYAAYNCVAIDTDMSPWEE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

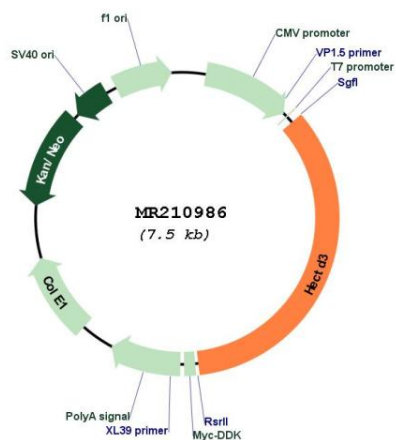
Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:	NM_175244
ORF Size:	2586 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:	<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.
RefSeq:	NM_175244.4
RefSeq Size:	4582 bp
RefSeq ORF:	2586 bp
Locus ID:	76608
UniProt ID:	Q3U487
Cytogenetics:	4 D1
MW:	97.3 kDa
Gene Summary:	E3 ubiquitin ligases accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates ubiquitination of TRIOBP and its subsequent proteasomal degradation, thus facilitating cell cycle progression by regulating the turn-over of TRIOBP (By similarity). Mediates also ubiquitination of STX8.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210986