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 MG215928

Hectd2 (NM_172637) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Hectd2
Synonyms:	4921524L07; A630025O09Rik; AW212605
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG215928 representing NM_172637
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAGGCGGCTCGGGATCTCTCGCCCGGAGCGCCGCCGGCGGTAGCCGCGGCCGCCCCGGAGGAGA
GGAAGGGGAAAGAACCGGAGCGCGAGAAGCTGCCGCCCATCGTGACGGCCGGCGCAGCCGCGGGCTTGGA
CAGAGGATCCAAGGGCCAGATTTCCACCTTCAGCAGCTTTGTCTCGACTGTCACCCAGAAGAAGGAAGCT
GCTGAGAACAGAAGCTCGCCTACCCACCTTGCTCTCCCTAACATCAGGAATGTGAGAGACCTACCACCAA
TTTGTCTTGATGTTAGACAAAAACAGCGCATGTCTGTGGAAGCGTTACCATCTGAAGTGAAGGTCCCGCC
CCTTCCAGAACCTTCTCTTCCTAGCCAGCCCAAAACTGTAAAAGACTTTGAGGAAGATTTAGAAAAAGCT
GAGGCCACAGGGAATTGGAAGACAGTACATGCTTTTTATATAACAGCATTTGATTCTTTCACAGAACTAA
ACACTGCATTTAAGAAAGATGCCACGGCCTCATTTAATACTATTGAGGACTCTGGGCTTAATGCCAATTT
GGTGAATGCTGTGTTTGATGCCTTACTTAATACTCCTCAAGATATCCAGAAGTCAGTATTGAAGGGAATC
ATTAACAGCTTGTTACAAGAATGGAAAGGTCCACGAACAAAAGATGATCTTAGAGCATATTTTATACTGT
TACAGAATCCTCAATTTAATATCACATCTACATATGTCATCTATGCTCATTTGCTACGACAGATAGCTAC
CTTAGTGGAAGCTGACCATCACTTCCTAGTTCACTGGCTTAAAAAATTATCCCAGAAGAAATTCAAGCAA
CTGGTAGAGAGATTGCTGCAATTTGTTTCTTTACGGCTGTTTCCAGCAAAACCTGAAGAATTCCCGCCTC
TAACGAAGTGTACCTGGTGGATCCCATCAGCCGCTAAAGTTCTGGCTTTGCTTAACACTGCCAACAATTT
GGTTCACCCTCCCCTCGTTCCTTACACTGATTTCTATAATTCTACCCTGGATCACATTGATCTCATGGAA
GAGTATCACACGTGGCAGAGCTTTGGGAACTCTCACAGCAGGTTTTCCTTCTGTCAGTACCCATTCGTTA
TTTCTATAGCTGCAAAAAAAATCATTATTCAAAGAGACTCAGAACAACAGATGATAAGCATCGCAAGGCA
AAGTCTGGTGGATAAAGTATCTCGAAGACAAAGACCTGATATGAATATGTTATTTCTAAATATGAAAGTA
AGGAGGACACATCTGGTTAGCGACTCACTTGATGAGTTAACCCGGAAGAGAGCTGACTTGAAGAAGAAGT
TGAAAGTTACATTTGTAGGTGAAGCTGGTTTGGATATGGGCGGCTTGACTAAAGAATGGTTCCTTCTTCT
AATTCGCCAGATTTTCCATCCAGATTATGGCATGTTTACATACCACAAGGATTCACACTGCCATTGGTTT
AGCAGCTTTAAATGTGATAACTATTCTGAATTCCGATTGGTTGGAATTCTCATGGGACTAGCTGTTTATA
ACAGCATCACCTTGGATATTCGTTTTCCTCCCTGCTGTTACAAAAAATTACTGAGCCCTCCTGTCGTACC
AAGTGATCAGAGTACACCAGTAGGCATCTGCAGTGTTACCATTGACGACTTGTGCCAGGTTATGCCTGAA
TTGGCCCATGGACTAAAGGAACTTTTATCATATGAAGGCAACGTTGAAGAAGATTTCTATTCAACATTTC
AGGTTTTTCAAGAAGAATTTGGAGTAATTAAATCCTATAACTTAAAACCAGGGGGTGATAAGATTCCAGT
TACCAATCAGAATAGAAGAGAGTATGTACAGCTTTATACTGACTTCCTGTTGAACAAATCTATCTATAAG
CAATTTGCTGCATTTTACTGTGGATTTCATAGTGTGTGTGCTTCAAATGCCCTAATGCTGCTTCGTCCAG
AAGAAGTAGAAATCCTGGTTTGTGGCAGTCCTGAACTGGATATGCATGCACTGCAGAGGAGCACACAGTA
CGACGGCTATGCGAAGACAGACCTGACCATACGATACTTTTGGGATGTTGTGCTTGGATTTCCACTTGAA
CTTCAGAAAAAGCTGTTACACTTTACTACAGGAAGCGACAGAGTACCTGTTGGAGGGATGGCTGATTTGA
ATTTTAAAATTTCAAAGAATGAAACTTCTACTAACTGGTTACCTGTGGCACACACTTGTTTCAATCAACT
CTGCCTTCCCCCATACAAGAGCAAAAAAGATCTGAAACAGAAACTGATTATTGGAATTTCAAATTCAGAA
GGTTTTGGACTTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

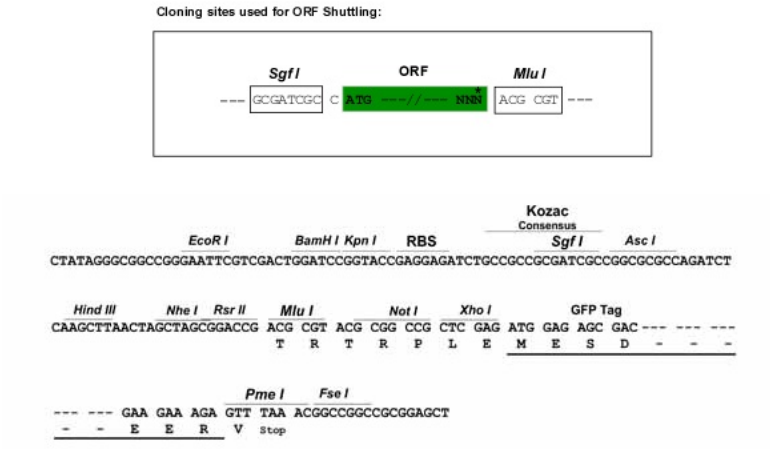
>MG215928 representing NM_172637
Red=Cloning site Green=Tags(s)

MSEAARDLSPGAPPAVAAAAPEERKGKEPEREKLPPIVTAGAAAGLDRGSKGQISTFSSFVSTVTQKKEA
AENRSSPTHLALPNIRNVRDLPPICLDVRQKQRMSVEALPSEVKVPPLPEPSLPSQPKTVKDFEEDLEKA
EATGNWKTVHAFYITAFDSFTELNTAFKKDATASFNTIEDSGLNANLVNAVFDALLNTPQDIQKSVLKGI
INSLLQEWKGPRTKDDLRAYFILLQNPQFNITSTYVIYAHLLRQIATLVEADHHFLVHWLKKLSQKKFKQ
LVERLLQFVSLRLFPAKPEEFPPLTKCTWWIPSAAKVLALLNTANNLVHPPLVPYTDFYNSTLDHIDLME
EYHTWQSFGNSHSRFSFCQYPFVISIAAKKIIIQRDSEQQMISIARQSLVDKVSRRQRPDMNMLFLNMKV
RRTHLVSDSLDELTRKRADLKKKLKVTFVGEAGLDMGGLTKEWFLLLIRQIFHPDYGMFTYHKDSHCHWF
SSFKCDNYSEFRLVGILMGLAVYNSITLDIRFPPCCYKKLLSPPVVPSDQSTPVGICSVTIDDLCQVMPE
LAHGLKELLSYEGNVEEDFYSTFQVFQEEFGVIKSYNLKPGGDKIPVTNQNRREYVQLYTDFLLNKSIYK
QFAAFYCGFHSVCASNALMLLRPEEVEILVCGSPELDMHALQRSTQYDGYAKTDLTIRYFWDVVLGFPLE
LQKKLLHFTTGSDRVPVGGMADLNFKISKNETSTNWLPVAHTCFNQLCLPPYKSKKDLKQKLIIGISNSE
GFGLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172637

ORF Size: 2325 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_172637.3, NP_766225.2

RefSeq Size: 4771 bp

RefSeq ORF: 2325 bp

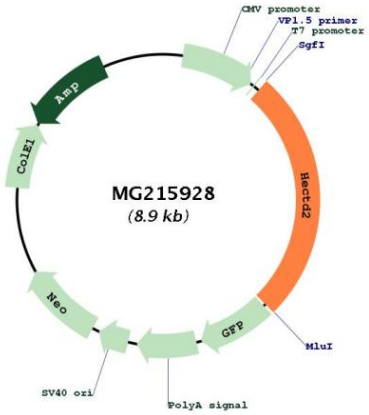
Locus ID: 226098

UniProt ID: Q8CDU6

Cytogenetics: 19 C2

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 MG215928