

## Product datasheet for **MC221524**

### Hectd2 (NM\_172637) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hectd2 (NM_172637) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hectd2
Synonyms:	4921524L07; A630025O09Rik; AW212605
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221524 representing NM\_172637  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGAGGCGGCTCGGGATCTCTCGCCCGAGCGCCGCGCGGTAGCCGCGGCCCGCCCGGAGGAGA  
 GGAAGGGGAAAGAACCGGAGCGCGAGAAGCTGCCGCCATCGTGACGGCCGGCGCAGCCGGGGCTTGGA  
 CAGAGGATCCAAGGGCCAGATTTCCACCTTCAGCAGCTTTGTCTCGACTGTCACCCAGAAGAAGGAAGCT  
 GCTGAGAACAGAAGCTCGCCTACCCACCTTGCTCTCCCTAACATCAGGAATGTGAGAGACCTACCACCAA  
 TTTGTCTTGATGTTAGACAAAAACAGCGCATGTCTGTGGAAGCGTTACCATCTGAAGTGAAGTCCCGCC  
 CCTTCCAGAACCTTCTTCTAGCCAGCCAAAAGTGTAAAAGACTTTGAGGAAGATTTAGAAAAAGCT  
 GAGGCCACAGGAATTGGAAGACAGTACATGCTTTTTATATAACAGCATTGATTCTTTCACAGAACTAA  
 AACTGCATTTAAGAAAGATGCCAGGCCTCATTAATACTATTGAGGACTCTGGGCTTAATGCCAATTT  
 GGTGAATGCTGTGTTGATGCCTTACTTAATACTCCTCAAGATATCCAGAAGTCAGTATTGAAGGGAATC  
 ATTAACAGCTTGTACAAGAATGAAAGGTCCACGAACAAAAGATGATCTTAGAGCATATTTTATACTGT  
 TACAGAATCCTCAATTTAATATCACATCTACATATGTCATCTATGCTCATTGCTACGACAGATAGCTAC  
 CTTAGTGGAAAGCTGACCATCACTTCTAGTTCACTGGCTTAAAAAATATCCCAGAAGAAATTAAGCAA  
 CTGGTAGAGAGATTGCTGCAATTTGTTTCTTACGGCTGTTTCCAGCAAAACCTGAAGAATTCGCCCTC  
 TAACGAAGTGTACCTGGTGGATCCCATCAGCCGCTAAAGTTCTGGCTTTGCTTAACACTGCCAACATTT  
 GGTTACCCTCCCTCGTTCCTTACACTGATTTCTATAATTCTACCCTGGATCACATTGATCTCATGGAA  
 GAGTATCACACGTGGCAGAGCTTTGGAACTCTCACAGGTTTTCTTCTGTCAGTACCCATTCGTTATTT  
 CTATAGCTGCAAAAAAATCATTATTCAAAGAGACTCAGAACAACAGATGATAAGCATCGCAAGGCAAG  
 TCTGGTGGATAAAAGTATCTCGAAGACAAAGACCTGATATGAATATGTTATTTCTAAATATGAAAGTAAGG  
 AGGACACATCTGGTTAGCGACTCACTTGTAGGTTAACC CGGAAGAGAGCTGACTTGAAGAAGAAGTTGA  
 AAGTTACATTTGTAGGTGAAGCTGGTTTGGATATGGGCGCTTGACTAAAGAATGGTTCTTCTCTAAT  
 TCGCCAGATTTTCCATCCAGATTATGGCATGTTTACATACCACAAGGATTCACACTGCCATTGGTTTAGC  
 AGCTTTAAATGTGATAACTATTCTGAATCCGATTGGTTGGAATTTCTCATGGGACTAGCTGTTTATAACA  
 GCATCACCTTGGATATTCGTTTTCTCCCTGCTGTACAAAAAATTAAGGAGCCCTCTGCTGCTACCAAG  
 TGATCAGAGTACACCAGTAGGCATCTGCAGTGTACCATTGACGACTTGTGCCAGGTTATGCCTGAATTG  
 GCCCATGGACTAAAGGAACCTTTATCATATGAAGCAACGTTGAAGAAGATTTCTATTCAACATTTCAGG  
 TTTTTCAAGAAGAATTTGGAGTAATTAATCCTATAACTTAAACCAGGGGGTGATAAGATTCCAGTTAC  
 CAATCAGAATAGAAGAGAGTATGTACAGCTTTATACTGACTTCTGTTGAACAAATCTATCTATAAGCAA  
 TTTGCTGCATTTTACTGTGGATTTATAGTGTGTGTGCTTCAAATGCCCTAATGCTGCTTCGTCAGAAAG  
 AAGTAGAAATCCTGGTTTGTGGCAGTCTGAACTGGATATGCATGCACTGCAGAGGAGCACACAGTACGA  
 CGGCTATGCGAAGACAGACCTGACCATACGATACTTTTGGGATGTTGTGCTTGGATTTCCACTTGAACCT  
 CAGAAAAAGCTGTTACACTTTACTACAGGAAGCGACAGAGTACCTGTTGGAGGGATGGCTGATTTGAATT  
 TAAAAATTTCAAAGAATGAACTTCTACTAACTGGTTACCTGTGGCACACACTTGTTCATCAACTCTG  
 CCTTCCCCATACAAGAGCAAAAAAGATCTGAAACAGAAACTGATTATTGGAATTTCAAATTCAGAAGGT  
 TTTGGACTTGAAT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_172637  
**Insert Size:** 2325 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172637.3</a> , <a href="#">NP_766225.2</a>
<b>RefSeq Size:</b>	4771 bp
<b>RefSeq ORF:</b>	2325 bp
<b>Locus ID:</b>	226098
<b>UniProt ID:</b>	<a href="#">Q8CDU6</a>
<b>Cytogenetics:</b>	19 C2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1.</p>