

## Product datasheet for **RR206493**

### **Ehd3 (NM\_138890) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ehd3 (NM_138890) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehd3
Synonyms:	Ehd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR206493 representing NM\_138890  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTTCAGCTGGCTGGGTAAACGATGATCGCCGAAGAAGGACCCTGAGGTCTCCAGACCGTGAGCGAGG  
 GGCTCAAGAACTCTACAAGACCAAGCTGCTGCCTCTGGAAGAGTATTACCGCTTCCACGAGTTCCACTC  
 GCCGCGCTTGAGGATGCTGATTTTCGACAACAAGCCCATGGTCTGTTGGTGGGCCAATACTCTACTGGC  
 AAGACCACCTTTCATCAGGTACCTGCTGGAACAGGATTTTCCAGGCATGAGGATTGGGCTGAGCCAACCA  
 CTGATTCCTTTCATAGCAGTGTGACGGGAGATGTGGAGGGGATCATCCCTGGGAACGCCCTGGTGGTGA  
 TCCGAAGAAACCTTTCAGAAAGCTCAACGCCTTCGGCAATGCCTTCTGAAACAGGTTTGTGTGTGCGCAG  
 CTGCCAACGCTGTTCTAGAAAGTATCAGTGTGATCGACACACCGGGGATCCTCTCTGGTGAAGAACAGA  
 GGATCAGCCGAGGTATGATTTTGTGCTGCTCCTCGAATGGTTTGTGAGCGGGTGGACCGAATCATCCT  
 GCTCTTTGACGCCACAAGCTTACATCTCTGATGAGTCTCAGAAGTCATCAAGGCCCTCAAGAACCAC  
 GAGGACAAGATGCGAGTGGTGTGAACAAGGCTGACCAGATTGAGACCCAGCAGCTGATCGGGGTGTATG  
 GGGCCCTCATGTGGTCCCTGGGGAAGATTGTGAACACACCAGAGGTGATCCGGGTCTACATTGGCTCCTT  
 CTGGTCCCACCCTCTCCTCATTCTGACAACAGGAAGCTCTTTGAAGCTGAAGAGCAAGACTTGTTCAAA  
 GACATTACAGTCTACCCCGTAATGCTGCTCTTCGAAAGCTCAATGATCTCATCAAGAGAGCCCGGCTGG  
 CCAAGGTCCATGCCTATATCATCAGTCCCTAAAAAGGAGATGCCCTCAGTGTTTGGGAAGGACACCAA  
 AAAGAAAGAGCTGGTGAACAACCTGGCTGAGATCTATGGCCGATTGAGCGAGAACCAGATATCCCT  
 GGGGACTTCCCAACCTGAAGAGGATGCAGGATCAGCTGCAGGCCAGGACTTCAAGAAATCCAACCAC  
 TGAAGAGCAAGCTGCTAGAAGTGGTTGATGACATGCTGGCCCATGACATTGCCAGCTCATGGTGTGGT  
 ACGCCAGGAAGAGACCCAGCGCCCTGTTAGATGGTGAAGGGTGGAGCATTGAGGGAACCCCTCAAGGG  
 CCCTTCGGGCATGGCTATGGAGAGGAGCTGGGAGGGCATTGATGATGCCGAGTGGGTGGTGGCCCGGG  
 ACAAGCCTATGTATGATGAAATCTTCTACACCTTATCCCGGTGGATGGCAAGATTACGGGCGCCAATGC  
 CAAAAAGGAGATGGTGCCTCCAAGTTGCCAACAGCTCCTGGGAAGATCTGGAAGCTAGCCGACATT  
 GACAAGGATGGCATGTTGGATGATGAGGAGTTGCCCTGGCCAACCACCTTATCAAAGTCAAGCTAGAGG  
 GGCATGAGCTGCCAGTGAAGTGCCTGCCATCTCCTCCCTCCATCTAAGAGGAAAGTAGCGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206493 representing NM\_138890  
 Red=Cloning site Green=Tags(s)

MFSWLGNDRRKKDPEVFQTVSEGLKLYKTKLLPLEEYRFHEFHSPALEDADFDNKPMLLVGQYSTG  
 KTTFIRYLLEQDFPGRIGPEPTTDSFIIVMQDVEGIIPGNALVDPKPKFRKLNFAFGNAFLNRFVCAQ  
 LPNAVLESISVIDTPGILSGEKQRISRGYDFAAVLEWFAERVDRIILLFDAHKLDISDEFSEVIKALKNH  
 EDKMRVVLNKADQIETQQLMRVYGALMWSLKGIVNTPEVIRVYIGSFWSHPLLIPDNRKLFEAEEQDLFK  
 DIQSLPRNAALRKLNDLIKRRARLAKVHAYIISLKKEMPSVFGKDTKKKELVNNLAEIYGRIEREHQISP  
 GDFPNLKRMQDQLQAQDFSKFQPLKSKLLEVDDMLAHDIAQLMVLVRQEETQRPVQMVKGGAFEGTLQG  
 PFGHGYGEGAGEGIDDAEWVVARDKPMYDEIFYTLSPVDGKITGANAKKEMVRSKLPNSVLGKIWKLADI  
 DKDGMLDDEEFALANHLIKVKLEGHHELPSELPAHLLPPSKRKVAE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_138890

**ORF Size:** 1605 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\\_138890.2](#), [NP\\_620245.2](#)

**RefSeq Size:** 2108 bp

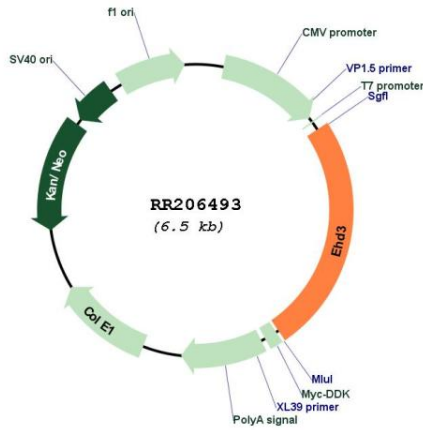
**RefSeq ORF:** 1608 bp

**Locus ID:** 192249

**UniProt ID:** [Q8R491](#)

**Cytogenetics:** 6q13  
**MW:** 60.8 kDa  
**Gene Summary:** mouse homolog is involved in regulating vesicular structure microtubule-dependent movement [RGD, Feb 2006]

**Product images:**



Circular map for RR206493