

Product datasheet for **RR212883**

Ehd4 (NM_139324) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehd4 (NM_139324) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehd4
Synonyms:	Past2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212883 representing NM_139324
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCAGCTGGATGGGGCGGCAGGCGGGCGGGCGGAGCGCTCGGGCGGTATGGACCGGTGCAGACGG
 TGACGGGAGGCTGCGCTCACTCTACCAACGCAAGGTGCTGCCGCTGGAAGAGGGTACCGCTTCCACGA
 GTTCCACTCGCCAGCGCTGGAGGACGCCGACTTCGAAAAAAGCCCATGATCCTGCTGGTGGCCAGTAC
 AGCACGGGCAAGACCACTTTTCATCAGATACTTACTGGAGCAAGATTTCCAGGCATGAGAATTGGTCCAG
 AGCCAACCACAGATTCCTTCATTGCTGTGATGTATGGGGAGACCGAGGGAAGTACCCCTGGGAATGCTTT
 AGTTGTGGATCCCAAAAAGCCATTCCGAAAAGCTCAGTCGCTTTGGAAATGCTTTCCTGAACAGATTCATG
 TGCTCACAGCTGCCAACCAAGTTCTGAAGAGCATCAGCATCATCGACAGTCTGGCATCCTGTCTGGGG
 AAAAGCAGCGCATTAGCCGAGGGTATGACTTCTGCCAGGTCTTACAGTGGTTTCCGAGAGGGTTGACAG
 GATCATCTGCTCTTTGATGCTCAGAAATGGACATCTCAGATGAGTTCTCAGAGGCGATCAAAGCCTTC
 CGGGGCCAGGATGACAAAATCCGAGTGGTACTGAACAAGGCTGACCAAGTGGACACACAGCAGCTGATGC
 GAGTCTATGGGGCCCTCATGTGGTCTCTGGGTAAGGTCATCAACACACCCGAAGTACTTCGAGTCTACAT
 TGGCTCCTTTGGGCACAGCCTCTGCAGAAACAGACAACCGCCGGCTCTTTGAGGCTGAAGCACAGGAC
 CTCTTCAGAGACATCCAGAGCCTGCCCAAGAGGCTGCAGTGGCAGCAACTCAATGACCTCATCAAGCGAG
 CAAGGTTGGCCAAAGTCCACGCCTACATCATCAGTACCTGAAGAAGGAAATGCCAGTATGTTTGGAAA
 AGAAAAAAGAAGCGAGAAGTTATCTTCAGACTCCAGAAATCTATGTTTCAGCTGCAGCGAGAATACCAG
 ATTTCTGCAGGGGACTTCCCTGAGGTCAAGGCCATGCAGGAGCAGCTTGAAGAACTATGACTTCACCAAGT
 TCCACTCACTGAAGCCCAAGCTGATCGAGGCTGTGGACAACATGCTGACCAACAAGATCTCATCCCTGAT
 GAGCCTCATTAGCCAGGAGGAGATGAACATGCCACGCAATGGTGCAGGGTGGTGCCTTCGATGGCACC
 ACAGAGGGGCCCTTCAACCAGGGCTATGGGGAGGAGCCAAAGAGGGTGTGATGAGGAAGAGTGGTTCG
 TGGCTAAAGACAAGCCTGTGATGATGAACTCTTTTATACACTGTCAACCATCAATGGCAAGATATCAGG
 TGTCAATGCCAAGAAGGAAATGGTGACCTCAAGCTGCCCAACAGTGTCTGGGCAAGATCTGGAAGCTG
 GCCGACTGTGACTGCGATGGCATGCTGGACGAAGAGGAGTTTGCAGTGGCAAGCACCTCATCAAGATCA
 AGTTGGATGGCTATGAGCTCCCAACAGCCTGCCCCCTCACCTTGTGCCCCCTCGCACAGGAAGTCCCT
 GCCAAAGGCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212883 representing NM_139324
 Red=Cloning site Green=Tags(s)

MF~~S~~W~~M~~GR~~Q~~AGGRERSGGMDAVQTVTGLRSLYQ~~R~~KVLPLEEAYRFHEFHSPALEDADFENKPMILLVGQY
 STGKTT~~F~~IRYLLEQDFPGMRIGPEPTTDSFI~~V~~MYGETEGSTPGNALV~~V~~DPK~~K~~FRKLSRF~~G~~NAFLNRFM
 CSQLPNQVLK~~S~~ISII~~D~~SPGILS~~G~~EKQ~~R~~ISRGYDFCQVLQWFA~~E~~RV~~D~~RIILLF~~D~~AHKLDISDEF~~S~~EAIKAF
 RGQDDKIRVVLNKADQVDTQQLMRVYGALMWSL~~G~~KVINTPEVL~~R~~VYIGSF~~W~~AQPLQNTDNRRLFE~~E~~EAQD
 LFRDIQSLPQKA~~A~~VRKLN~~D~~L~~I~~KR~~A~~RLAKVHAYII~~S~~YLK~~K~~EMPSM~~F~~GK~~E~~NK~~K~~RELIFRLPEI~~Y~~YQLQREYQ
 ISAGDFPEVKAMQEQL~~E~~NYDFTKF~~H~~SLKPKLIE~~A~~V~~D~~NMLTNKISSLSLISQ~~E~~EMN~~M~~PTQ~~M~~VGGAFDGT
 TEGPFNQYGGEGAKEGADEE~~E~~WV~~V~~AKDKPVYDEL~~F~~YTLSPINGKISGVNAK~~K~~EMVTSKLPNSVLGKI~~W~~KL
 ADCDCD~~G~~MLDEE~~E~~FALAKHLIKIKLDGYELPNSLPPHLVPPSHR~~K~~SLPKAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

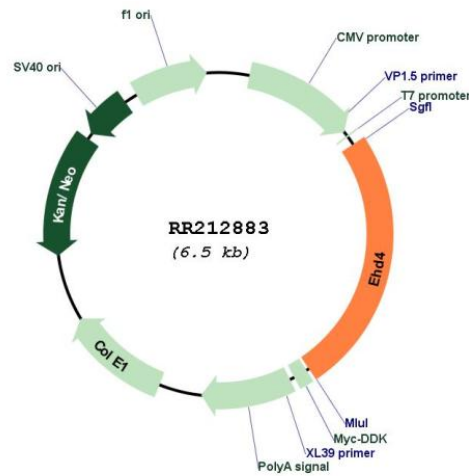
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_139324
ORF Size:	1623 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_139324.1 , NP_647540.1
RefSeq Size:	3438 bp
RefSeq ORF:	1626 bp
Locus ID:	192204
Cytogenetics:	3q35
MW:	61.5 kDa