

Product datasheet for **SC216018**

EHD3 (NM_014600) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EHD3 (NM_014600) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	EHD3
Synonyms:	PAST3
ACCN:	NM_014600
Insert Size:	2000 bp



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Insert Sequence:

>SC216018 3'UTR clone of NM_014600

The sequence shown below is from the reference sequence of NM_014600. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCCCGTCCAAGAGGAAAGTTGCCGAGTGATGGGGTGGGGGACATTCAGACGGGAGTGTAGAGGAG
GAGATGGGAGCGGTGACTACACACACACACACACACACACACAAACATGCACACACACATA
TGCATATCTTGACATTGCTCTGTAGGTGAGAGAGGACCATGACGCCATGTTTGCAGCTGATACTTGTT
TGGGCACACCTCCAAGTTCTCGGGATTAGAAGGACAAGAGCACTCCAGGCCCCAGAGTCTAAGCCTAA
GTCTCTATCGCTTCCCTCTCCTCGGCCACTCCCAGATACCAGACCTGAGGCAATTCACCTGCCAG
CACAGATGGCCAACCCACCTCCAGATCCCAGTCTCCACACCCGGGCTCTGAGCAAATGGAAAAGA
CTTTTCATTTAGTAGACAATTCACCTCTTTTTCTGTGCTTCCCTATCTGCTTTGGCTTCTAATAAGA
AATCCATTCAAGAGCTAGGAGATCTGAGGGCAGGCGGGCAGCTGCAGGGAGGAGGTGAGAAAGGAAG
CGTCTTCTAGAGACATTGGCCCAGGAGCTGTCTTTCTAATCTAAGCCTCTGTCTTCTCGGCAAA
CCTTGCTTTGAAGCTCGCCAGTATTTCAATTTAAAGAATCCCAGAGCGGGAGAGAGAAGAAAAAAT
TGATAAGAGTGAGGAAATGTCCTGTAGTCTATTGAAAACAGTCAAGGTGGTTTTAGTTCATAGATTT
TGTTAGATGTTCTTTCCACCTGGCCTATGATGTTAGATGTTCACTTGACTCACATTTACCCAGCCC
CTCCTGCGTACCAGGAGCTGTGTAGGCACTTTATACATATTCTATGTGGCCCTCACTGATGCCCC
AGGGAAGTATGCATTAGCCTTCCATTTTGAGTTGAGGAGGCTGAGTAGCCTCAGAAGGGTTTAGGCG
ACCTTCTGAAACTCACAGAAGTACGTGATGGAGAGGATTCAAAGCCAGGGCCTCAGACCCTCACAC
ACTTGTCTGTGCTATGATGTATGCAGGATCCCAGCATTGATACCAATGACAAACTATGGAGAACAAGC
AAAGTATGCAGGCCCTCGCAGCCTCCCAGGACAGGCTGGCAAGGGAGGAGGGCCGCCAGCATTGGT
GGCCCATCAGTCTGGCCATCTGTACGTACAGAAGCAAACCGTGCCTTCTGGCTCTGCGCCCATATT
CCCAGCATCATAGACATCCAACAGCACCAGCAGGAGAGTGGGCTAGCCTGCTGGATGCTGTTCTGTCCT
GTCCCTGCTCTGCCTCCCACCCAGTTGCCTGAATCATCCCAGCTCAGATGCAGCCACTGTCTTTGTCA
AGTGGGACCTCATACTATTCTCAGAAGGCTAAGTTGAGAGGTTTGGGGCCTTGTTCACAGAGGTTCC
CAGGGACTCTGCAGTGCCTTGGCAAATCCCAGTCACTCAATGCCCTACATTCTTCTGTGGTCTC
TCCCTGGCTTGTTCATGGCCACTGAACCAATCACTTTGTATGCTATGCTCTACTGTGATGGAAAAC
AAAATGAGTATAACTTATTTTATATCCATATTCAGACTATATAGAGAATATTCTATGCATCTATGACGT
GCTTACTACTGCAGTGCATTTGTATTAGTCTTCAATGTTAATACAGTACATTTATCTTTGGTACCTGC
CTGGCCACAGAGCATCATTCAATGGAGGCTGAGGGAGAAGGGCTGGGTTCTTACTTGAGATTCTGGTG
AAATCTTTGGCTGGAAAGGGCTCACTGGGGCCACCCAATGGCCAGCATCCACAACCAGCTTCCCAGTGG
GCTGGAGTTTGTCTAGGCTCAGTGACCAACCCAGGCACAGCTGGTGGAGCCACCGCTCCCTGCTCTCT
GGAGTGAAGATGTTCCCTAAGCCCTGGGCTTCTTCTGCAAATACACATTTCTTTTCATGAAAT
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_014600.3](#)

Summary:

ATP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis (PubMed:25686250). In vitro causes tubulation of endocytic membranes (PubMed:24019528). Binding to phosphatidic acid induces its membrane tubulation activity (By similarity). Plays a role in endocytic transport. Involved in early endosome to recycling endosome compartment (ERC), retrograde early endosome to Golgi, and endosome to plasma membrane (rapid recycling) protein transport. Involved in the regulation of Golgi maintenance and morphology (PubMed:16251358, PubMed:17233914, PubMed:19139087, PubMed:23781025). Involved in the recycling of internalized D1 dopamine receptor (PubMed:21791287). Plays a role in cardiac protein trafficking probably implicating ANK2 (PubMed:20489164). Involved in the ventricular membrane targeting of SLC8A1 and CACNA1C and probably the atrial membrane localization of CACNA1GG and CACNA1H implicated in the regulation of atrial myocyte excitability and cardiac conduction (By similarity). In conjunction with EHD4 may be involved in endocytic trafficking of KDR/VEGFR2 implicated in control of glomerular function (By similarity). Involved in the rapid recycling of integrin beta-3 implicated in cell adhesion maintenance (PubMed:23781025). Involved in the unidirectional retrograde dendritic transport of endocytosed BACE1 and in efficient sorting of BACE1 to axons implicating a function in neuronal APP processing (By similarity). Plays a role in the formation of the ciliary vesicle, an early step in cilium biogenesis; possibly sharing redundant functions with EHD1 (PubMed:25686250).[UniProtKB/Swiss-Prot Function]

Locus ID:

30845

MW:

74.4