

Product datasheet for SC319541

EHD2 (NM_014601) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EHD2 (NM_014601) Human Untagged Clone
Tag:	Tag Free
Symbol:	EHD2
Synonyms:	PAST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014601.2
GACGGACCGCAGCACAGGCCGCTCCGCGGGCGCTTCGGATCCTCGCGGACCCCCACCC
TCTCCCAGCCTGCCAGCCCGCTGCAGCCGCGCAGCGCCCCGTCGGCAGCTCTCCATCT
GCACGTCTCTCCGTGAACCCCGTGAGCGGTGTGCAGCCACCATGTTTCAGCTGGCTGAAGC
GGGGCGGGCACGGGGCCAGCAGCCGAGGCCATCCGCACGGTGACCTCGGCCCTCAAGG
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CGCCGGCCCTGGAGGACGCAGACTTCGACGGCAAGCCCATGGTGTGGTGGCCGGCCAGT
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GCACCGTGCCTGGCAACGCCCTCGTCGTGGACCCGGACAAGCCCTCCGCAAACCTCAACC
CTTTCGGAACACCTTCTCAACAGGTTTATGTGTGCCAGCTCCCTAATCAGGTCTG
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GCGGCTACGACTTCCCGCCGCTGCTGCGCTGGTTCGCGGAGCGCGTGGACCTCATCATCC
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AGCAGCTGATGCGCGTCTACGCGCGCTCATGTGGGCGCTGGGCAAGGTGGTGGGCACGC
CCGAGGTGCTGCGCGTCTACATCGGCTCCTTCTGGTCCCAGCCCTCCTCGTGCCCGACA
ACCGCGCCTCTTCGAGCTGGAGGAGCAGGACCTTCCGCGACATCCAGGGCCTGCCCC
GGCAGCGAGCCTTGCGAAGCTCAACGACCTGGTGAAGAGGGCCCGGCTGGTGGAGTTT
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CGCACGACATCGCAAGCTCATGCCCTGCTGCGGCAGGAGGAGCTGGAGACACCGAGG
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CTGACGAGGCCATGGAGGACGGCGAGGAGGCTCGGACGACGAGGCCGAGTGGTGGTGA
CCAAGGACAAGTCCAATACGACGAGATCTTCTACAACCTGGCGCCTGCCGACGGCAAGC



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TGAGCGGCTCCAAGGCCAAGACCTGGATGGTGGGGACCAAGCTCCCCAACTCAGTGCTGG
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GTCCCCACCCCATGGCTGGGAGGGGCTCTGAACGGAAACAGTGTCCCCACAGAGCGAAT
AAAGCCAAGGCTTCTTCCAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_014601
- OTI Disclaimer:** 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_014601.2](#), [NP_055416.2](#)

RefSeq Size: 3517 bp

RefSeq ORF: 1632 bp

Locus ID: 30846

UniProt ID: [Q9NZN4](#)

Cytogenetics: 19q13.33

Protein Pathways: Endocytosis

Gene Summary: This gene encodes a member of the EH domain-containing protein family. These proteins are characterized by a C-terminal EF-hand domain, a nucleotide-binding consensus site at the N terminus and a bipartite nuclear localization signal. The encoded protein interacts with the actin cytoskeleton through an N-terminal domain and also binds to an EH domain-binding protein through the C-terminal EH domain. This interaction appears to connect clathrin-dependent endocytosis to actin, suggesting that this gene product participates in the endocytic pathway. [provided by RefSeq, Jul 2008]