

Product datasheet for **SC104400**

EHD1 (AK098723) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EHD1 (AK098723) Human Untagged Clone
Tag:	Tag Free
Symbol:	EHD1
Synonyms:	H-PAST; HPAST1; PAST; PAST1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK098723, the custom clone sequence may differ by one or more nucleotides

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AGCATTTCGGCAGAGGGCGCTTCGACGGGCTGGGCTGTGCGCCTGCGCAGTGTGGGTGCGTCCCGATTCCC
TGCCCCGGCCGGCCCCGCTCGGCTCCGCACCCTCGCCCCGCTCTCAGCCGCGCTCTGCCCCGAGCAG
CCAGCCCCGTGTCCGGCAGTATGTTTCAGCTGGGTGAGCAAGGATGCCCGCCGCAAGAAGGAGCCGGAGCT
CTTCCAGACGGTGGCCGAGGGGCTGCGGCAGCTGTACGCGCAGAAGCTGTACCCCTGGAGGAGCACTAC
CGCTTCCACGAGTCCACTCGCCCCGCTGGAGGACGCTGACTTCGACAACAAGCCTATGGTGCTCCTCG
TGGGGCAGTACAGCACGGCAAGACCACCTTCATCCGACACCTGATCGAGCAGGACCTCTCAAGGACAT
CCAGTCACTGCCCGAAACGCCGCCCTCAGGAAGCTCAATGACCTGATCAAGCGGGCAGGCTGGCCAAG
GTTACAGCCTACATCATAGCTCCCTCAAGAAAGAGATGCCCAATGTCTTTGGTAAAGAGAGCAAAAAGA
AAGAGCTGGTGAACAACCTGGGAGAGATCTACCAGAAGATTGAGCGCGAGCACCAGATCTCCCCTGGGGA
CTTCCCAGCCTCCGCAAGATGCAGGAACCTCTGCAGACCAGGACTTCAGCAAGTTCCAGGCGCTGAAG
CCCAAGCTGTGGACACGGTGGATGACATGCTGGCCAACGACATCGCGCGGCTGATGGTGTGGTGGCGC
AGGAGGAGTCCCTGATGCCTTCCAGGTGGTCAAGGGCGGCGCCTTTGACGGCACCATGAACGGGCCGTT
CGGGCACGGCTACGGCGAGATCTTCTACACGCTGTCCCCTGTCAACGGCAAGATCACGGGCGCAACGCC
AAGAAGGAGATGGTGAAGTCCAAGCTCCCAACACCGTGTAGGGAAGATCTGGAAGCTGGCCGACGTGG
ACAAGGACGGGCTGCTGGACGACGAGGAGTTCGCGCTGGCCAACCACCTCATCAAGTCAAGCTGGAGGG
CCACGAGCTGCCCGCGACCTGCCCGCACCTGGTGCCGCCCTCAAGCGCAGACATGAGTGATGGCGC
CCGGCCCCGCACCTGCCATTTGCACGCCGGCCGGGAGGAGAGACGGGGGGAGGGGAAGCCTACCATT
TCTCAAGTCCATAAAGACTGAGCGGATGTTTCTCGCCTCTCGAAAAGGAAAACCACCATCTTTCTTTT
AAGGCTGTTCTGGGCTGGCGGGGAGGCAGGGGTGAGAGGATGGAATTGTGTGACAAGAAGTGTGGC
TATTTTAATAT
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK098723 unedited TTTTTACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATTCGGCACGAGGGGGCTGTGCGCTGCGCAGTGTGGTTCGCTCCCGATCCCTGC CCCGGCCGGCCCCGCTCGGCTCCGCACCCTCGCCCCGCTCTCAGCCCGCGCTCTGCCCC GCAGCAGCCAGCCCCGTGCCGAGTATGTTTCAGCTGGGTGAGCAAGGATGCCCGCCG AAGAAGGAGCCGGAGCTTCCAGACGGTGGCCGAGGGGCTGCGGCAGCTGTACGCGCAG AAGCTGTACCCCTGGAGGAGCACTACCGCTTCCACGAGTTCCACTCGCCCGCGCTGGAG GACGCTGACTTCGACAACAAGCCTATGGTGCTCCTCGTGGGGCAGTACAGCACGGGCAAG ACCACCTTCATCCGACACCTGATCGAGCAGGACTTCCCGNGATGCGCATCGGGCCCCGA GCCCAACACCGACTCCTTCATCGCCGTCATGCACGGTCCCACTGAAGGCGCGTCCCTCTG TACTCCCCACACACCTCCATTCTCCCTCATCTCTCCACTATCCTTCCCCCACCCCA CACCCCCCTCTCTCCCCCCCCTCCCCACCCCTCAAACCCCTTCCCTCCTCTCTTC CCCACCTCTACCCCTTCCTTTTTCTCCTCCTCTTTTCTCCACATCCTTACCCTCT CCCGCTATCCCACTCCTCCTCCTTCCCCCTTCTCCTTACCCTTCTCCTTCCCC TCTAAACTCACCTCCCCCACCTCAAACCTCCACCTATCTACACCCCATATCTCCTA CTTCTCCTCTTTATTTAATTATTATCTCTTAATAATTATTACTTTCTATT
Restriction Sites:	NotI-NotI
ACCN:	AK098723
Insert Size:	3600 bp
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).
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:	AK098723.1
RefSeq Size:	1341 bp
RefSeq ORF:	1341 bp
Locus ID:	10938
Cytogenetics:	11q13.1
Domains:	EH, EFh
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis

Gene Summary:

This gene belongs to a highly conserved gene family encoding EPS15 homology (EH) domain-containing proteins. The protein-binding EH domain was first noted in EPS15, a substrate for the epidermal growth factor receptor. The EH domain has been shown to be an important motif in proteins involved in protein-protein interactions and in intracellular sorting. The protein encoded by this gene is thought to play a role in the endocytosis of IGF1 receptors. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2013]