

## Product datasheet for **SC336741**

### **EHD1 (NM\_001282445) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EHD1 (NM_001282445) Human Untagged Clone
Tag:	Tag Free
Symbol:	EHD1
Synonyms:	H-PAST; HPAST1; PAST; PAST1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC336741 representing NM\_001282445.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

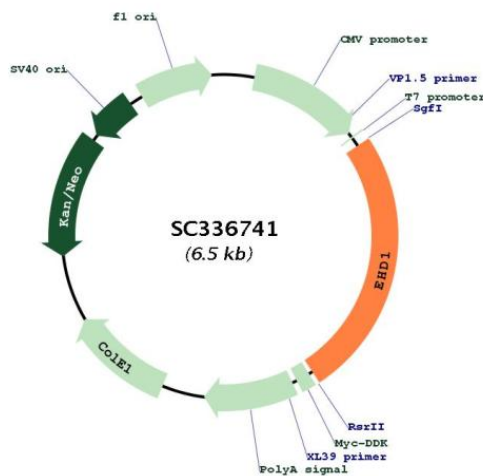
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GACAACAAGCCTATGGTCTCCTCGTGGGGCAGTACAGCACGGGCAAGACCACCTTCATCCGACACCTG
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**Restriction Sites:**

Sgfl-RsrII

**Plasmid Map:**



<b>ACCN:</b>	NM_001282445
<b>Insert Size:</b>	1647 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282445.1</a>
<b>RefSeq Size:</b>	3354 bp
<b>RefSeq ORF:</b>	1647 bp
<b>Locus ID:</b>	10938
<b>UniProt ID:</b>	<a href="#">Q9H4M9</a>
<b>Cytogenetics:</b>	11q13.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis
<b>MW:</b>	61.9 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an internal exon in the 5' region, which results in an upstream in-frame AUG start codon, compared to variant 1. The resulting isoform (2) has a longer N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>