

## Product datasheet for **SC336460**

### 2 Hydroxy phytanoyl CoA lyase (HACL1) (NM\_001284416) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2 Hydroxy phytanoyl CoA lyase (HACL1) (NM_001284416) Human Untagged Clone
Tag:	Tag Free
Symbol:	HACL1
Synonyms:	2-HPCL; HPCL; HPCL2; PHYH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336460 representing NM\_001284416.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

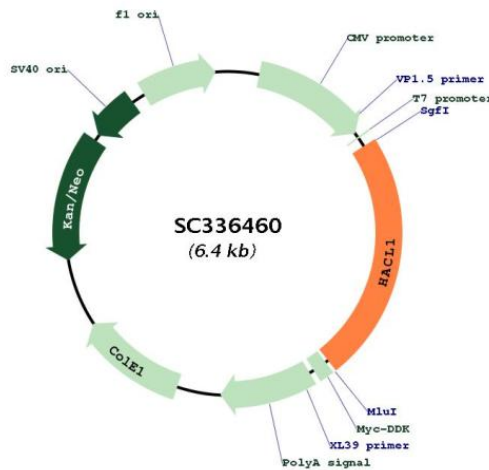
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM\_001284416

<b>Insert Size:</b>	1491 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>	<u><a href="#">NM_001284416.1</a></u>
<b>RefSeq Size:</b>	2041 bp
<b>RefSeq ORF:</b>	1491 bp
<b>Locus ID:</b>	26061
<b>UniProt ID:</b>	<u><a href="#">Q9UJ83</a></u>
<b>Cytogenetics:</b>	3p25.1
<b>MW:</b>	54.7 kDa
<b>Gene Summary:</b>	<p>Catalyzes a carbon-carbon cleavage reaction; cleaves a 2-hydroxy-3-methylacyl-CoA into formyl-CoA and a 2-methyl-branched fatty aldehyde.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks three alternate exons that result in the loss of an in-frame segment in the central coding region, compared to variant 1. The encoded isoform (d) is shorter than isoform a.</p>