

Recombinant Human HACL1, T7-tagged

Cat. No. HACL1-2960H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HACL1 (1-578 aa) is expressed in <i>E. coli</i> with a T7 tag at N-terminus.
Species	Human
Source	E.coli
Protein Length	1-578 a.a.
Description	By analyzing 1,780,295 5'-end sequences of human full-length cDNAs derived from 164 kinds of oligo-cap cDNA libraries, we identified 269,774 independent positions of transcriptional start sites (TSSs) for 14,628 human RefSeq genes. These TSSs were clustered into 30,964 clusters that were separated from each other by more than 500 bp and thus are very likely to constitute mutually distinct alternative promoters. To our surprise, at least 7674 (52%) human RefSeq genes were subject to regulation by putative alternative promoters (PAPs). On average, there were 3.1 PAPs per gene, with the composition of one CpG-island-containing promoter per 2.6 CpG-less promoters.
MW	12499 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .

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Application MS. SDS.

GENE INFORMATION

Gene Name [HACL1 2-hydroxyacyl-CoA lyase 1 \[Homo sapiens \]](#)

Synonyms HACL1; 2-hydroxyacyl-CoA lyase 1; HSPC279; 2-HPCL; FLJ55041, HPCL; HPCL2, PHYH2; 1600020H07Rik; 2-hydroxyphytanol-CoA lyase; 2-hydroxyphytanoyl-CoA lyase; phytanoyl-CoA 2-hydroxylase 2; phytanoyl-CoA hydroxylase 2; EC 4.1.-.-

Gene ID [26061](#)

mRNA Refseq [NM_012260](#)

Protein Refseq [NP_036392](#)

MIM [604300](#)

UniProt ID [Q9UJ83](#)

Chromosome Location 3p25.1

Pathway Peroxisome; Metabolism of lipids and lipoproteins

Function carbon-carbon lyase activity; identical protein binding; magnesium ion binding; thiamin pyrophosphate binding

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