Recombinant Mouse Hacl1 Protein, Myc/DDK-tagged

Cat. No. Hacl1-3351M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length 2-hydroxyacyl-CoA lyase 1 (Hacl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Peroxisomal 2-OH acyl-CoA lyase involved in the cleavage (C1 removal) reaction in the fatty acid alpha-oxydation in a thiamine pyrophosphate (TPP)-dependent manner. Involved in the degradation of 3-methyl-branched fatty acids like phytanic acid and the shortening of 2-hydroxy long-chain fatty acids. Plays a significant role in the biosynthesis of heptadecanal in the liver.
Molecular Mass	63.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Hacl1 2-hydroxyacyl-CoA lyase 1 [Mus musculus (house mouse)]
Official Symbol	Hacl1
Synonyms	HACL1; 2-hydroxyacyl-CoA lyase 1; 2-HPCL; 2-hydroxyphytanoyl-CoA lyase; phytanoyl-CoA 2-hydroxylase 2; Hpcl; Phyh2; 1600020H07Rik
Gene ID	56794
mRNA Refseq	NM_019975
Protein Refseq	NP_064359
UniProt ID	Q9QXE0

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