Recombinant Human HLCS Protein, GST-tagged

Cat. No. HLCS-4850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HLCS full-length ORF (NP_000402.3, 1 a.a. - 726 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Holocarboxylase synthetase (EC 6.3.4.10) covalently links biotin to propionyl-CoA carboxylase (PCCA; MIM 232000), pyruvate carboxylase (PC; MIM 608786), alpha-methylcrotonyl-CoA carboxylase (MCCC1; MIM 609010), and acetyl-CoA carboxylase (ACACA; MIM 200350).[supplied by OMIM
Molecular Mass	107.2 kDa
AA Sequence	MEDRLHMDNGLVPQKIVSVHLQDSTLKEVKDQVSNKQAQILEPKPEPSLEIKPEQDG MEHVGRDDPKALGEEPKQRRGSASGSEPAGDSDRGGGPVEHYHLHLSSCHECLE LENSTIESVKFASAENIPDLPYDYSSSLESVADETSPEREGRRVNLTGKAPNILLYVG SDSQEALGRFHEVRSVLADCVDIDSYILYHLLEDSALRDPWTDNCLLLVIATRESIPE DLYQKFMAYLSQGGKVLGLSSSFTFGGFQVTSKGALHKTVQNLVFSKADQSEVKLS VLSSGCRYQEGPVRLSPGRLQGHLENEDKDRMIVHVPFGTRGGEAVLCQVHLELP PSSNIVQTPEDFNLLKSSNFRRYEVLREILTTLGLSCDMKQVPALTPLYLLSAAEEIRD PLMQWLGKHVDSEGEIKSGQLSLRFVSSYVSEVEITPSCIPVVTNMEAFSSEHFNLEI YRQNLQTKQLGKVILFAEVTPTTMRLLDGLMFQTPQEMGLIVIAARQTEGKGRGGNV WLSPVGCALSTLLISIPLRSQLGQRIPFVQHLMSVAVVEAVRSIPEYQDINLRVKWPN

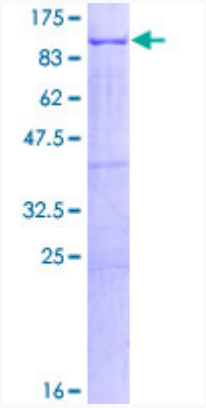
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	DIYYSDLMKIGGVLVNSTLMGETFYILIGCGFNVTNSNPTICINDLITEYNKQHKAELKP LRADYLIARVVTVLEKLIKEFQDKGPNSVLPLYYRYWVHSGQQVHLGSAEGPKVSIV GLDDSGFLQVHQEGGEVVTVHPDGNSFDMLRNLILPKRR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HLCS holocarboxylase synthetase (biotin-(proprionyl-CoA-carboxylase (ATP-hydrolysing)) ligase) [Homo sapiens]
Official Symbol	HLCS
Synonyms	HLCS; holocarboxylase synthetase (biotin-(proprionyl-CoA-carboxylase (ATP-hydrolysing)) ligase); holocarboxylase synthetase (biotin (proprionyl Coenzyme A carboxylase (ATP hydrolysing)) ligase) , holocarboxylase synthetase (biotin [proprionyl Coenzyme A carboxylase (ATP hydrolysing)] ligase); biotin--protein ligase; HCS; biotin apo-protein ligase; biotin--[acetyl-CoA-carboxylase] ligase; biotin--[methylcrotonoyl-CoA-carboxylase] ligase; biotin--[methylmalonyl-CoA-carboxytransferase] ligase; holocarboxylase synthetase (biotin-(proprionyl-Coenzyme A-carboxylase (ATP-hydrolysing)) ligase);

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Gene ID	3141
mRNA Refseq	NM_000411
Protein Refseq	NP_000402
MIM	609018
UniProt ID	P50747
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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