

HLCS mouse monoclonal antibody (hybridoma)

Catalog # H00003141-M

Size Up to 5 Clones

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant HLCS.

Immunogen

HLCS (NP_000402.3, 1 a.a. ~ 726 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MEDRLHMDNGLVPQKMVSVHLQDSTLKEVKDQVSNKQAQILEPKPEPSLEIKPEQDGMHVGRD
DPKALGEEPQRRGSASGSEPAGDSRGGGPVEHYHLHLSSCHECLELENSTIESVKFASAENI
PDLPYDYSSSLESVADETSPEREGRRVNLTKAPNILLYVGSDSQEALGRFHEVRSVLADCVDID
SYLYHLLSDALRDPWTDNCLLLVIATRESIPEDLYQKFMAVLSQGGKVLGLSSSFTFGGFQVTSK
GALHKTQNLVFSKADQSEVKLSVLSSGCRYQEGPVRLSPGRLQGHLENEDKDRMVHVVPFGTR
GGEAVLCQVHLELPPSSNIVQTPEDFNLLKSSNFRRYEVLREILTTLGLSCDMKQVPALTPLYLLS
AAEEIRDPLMQWLKGKVDSEGEIKSGQLSLRFVSSYVSEVEITPSCIPVVTNMEAFSSEHFNLEIMR
QNLQTKQLGKVLFAEVTPTTMRLLDGLMFQTPQEMGLVIAARQTEGKGRGGNVWLSPVGCALS
TLLISIPRSQLGQRIPFVQHLMSSVAVVEAVRSIPEYQDINLRVKWPNDIYSDLMKIGGVLVNSTLM
GETFYILIGCGFNVTNSNPTICINDLITEYNKQHKAEKPLRADYLIARVVTVLEKLIKEFQDKGPNSVL
PLYRYWVHSGQQVHLGSAEGPKVSVGLDDSGFLQVHQEGGEVVTVHPDGNSFDMLRNILPK
RR

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (77)

Quality Control Testing

Antibody reactivity and specificity confirmed by ELISA and Western Blot.

Deliverables

Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.

Note

Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HLCS

Entrez GeneID [3141](#)

GeneBank Accession# [NM_000411.4](#)

Protein Accession# [NP_000402.3](#)

Gene Name HLCS

Gene Alias HCS

Gene Description holocarboxylase synthetase (biotin-(propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)) ligase)

Omim ID [253270 609018](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000109039|biotin apo-protein ligase|holocarboxylase synthetase

Pathway

- [Biotin metabolism](#)
- [Metabolic pathways](#)