

Datasheet for ABIN7552770  
**HLCS Protein (AA 1-726) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HLCS
Protein Characteristics:	AA 1-726
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLCS protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant HLCS Protein expressed in mammalian cells.
Sequence:	MEDRLHMDNG LVPQKIVSVH LQDSTLKEVK DQVSNKQAQI LEPKPEPSLE IKPEQDGMESH VGRDDPKALG EEPKQRRGSA SGSEPAGDSD RGGGPVEHYH LHLSSCHECL ELENSTIESV KFASAENIPD LPYDYSSSLE SVADETSPEER EGRRVNLTKG APNILLYVGS DSQEALGRFH EVRSLADCV DIDSYILYHL LEDRALRDPW TDNCLLLVIA TRESIPEDLY QKFMAYLSQG GKVLGLSSSF TFGGFQVTSK GALHKTQVQL VFSKADQSEV KLSVLSSGCR YQEGPVLRLSP GRLQGHLENE DKDRMIVHVP FGTRGGEAVL CQVHLELPPS SNIVQTPEDF NLLKSSNFRR YEVLRILT LGLSCDMKQV PALTPLYLLS AAEEIRDPLM QWLKGKHDSE GEIKSGQLSL RFVSSYVSEV EITPSCIPVV TNMEAFSSEH FNLEIYRQNL QTKQLGKVL FAEVTPTTMR LLDGLMFQTP QEMGLIVIAA RQTEGKGRGG NVWLSPVGCA LSTLLISIPR RSQLGQRIPF VQHLMSVAVV EAVRSIPEYQ DINLRVKWPN DIYSDLMKI GGVLVNSTLM GETFYILIGC GFNVTNSNPT ICINDLITEY NKQHKAEKLP LRADYLIARV VTVLEKLIKE FQDKGPNSVL PLYRYVWVHS GQQVHLGSAE GPKVSIVGLD DSGFLQVHQE GGEVTVVHPD GNSFDMLRNL

## Product Details

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ILPKRR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** HLCS

**Alternative Name:** HLCS ([HLCS Products](#))

**Background:** Biotin--protein ligase (EC 6.3.4.-) (Biotin apo-protein ligase) [Includes: Biotin--[methylmalonyl-CoA-carboxytransferase] ligase (EC 6.3.4.9), Biotin--[propionyl-CoA-carboxylase [ATP-hydrolyzing]] ligase (EC 6.3.4.10) (Holocarboxylase synthetase) (HCS), Biotin--[methylcrotonoyl-CoA-carboxylase] ligase (EC 6.3.4.11), Biotin--[acetyl-CoA-carboxylase] ligase (EC 6.3.4.15)],FUNCTION: Biotin--protein ligase catalyzing the biotinylation of the 4 biotin-dependent carboxylases acetyl-CoA-carboxylase, pyruvate carboxylase, propionyl-CoA carboxylase, and methylcrotonyl-CoA carboxylase. {ECO:0000269|PubMed:10590022, ECO:0000269|PubMed:7753853, ECO:0000269|PubMed:7842009}.

## Target Details

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Molecular Weight: 80.8 kDa

UniProt: [P50747](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months