Biotin--Protein Ligase (HLCS) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Biotin--protein ligase (Hlcs), Recombinant Protein
Full Product Name	Recombinant Mouse Biotin--protein ligase (Hlcs)
Product Gene Name	Hlcs recombinant protein
Product Synonym Gene Name	Hlcs
Sequence	MEDRLQMDNG LIAQKIVSVH LKDPALKELG KASDKQVQGP PPGPEASPEA QPAQGVMEHA GQGDCKAAGE GPSPRRRGCA PESEPAADGD PGLSSPELCQ LHLSICHECL ELENSTIDSV RSASAENIPD LPCDHSGVEG AAGELCPERK GKRVNISGKA PNILLYVGSG SEEALGRLQQ VRSVLTDCVD TDSYTLYHLL EDSALRDPWS DNCLLLVIAS RDPIPKDIQH KFMAYLSQGG KVLGLSSPFT LGGFRVTRRD VLRNTVQNLV FSKADGTEVR LSVLSSGYVY EEGPSLGRLQ GHLENEDKDK MIVHVPFGTL GGEAVLCQVH LELPPGASLV QTADDFNVLK SSNVRRHEVL KEILTALGLS CDAPQVPALT PLYLLLAAEE TQDPFMQWLG RHTDPEGIIK SSKLSLQFVS SYTSEAEITP SSMPVVTDPE AFSSEHFSLE TYRQNLQTTR LGKVILFAEV TSTTMSLLDG LMFEMPQEMG LIAIAVRQTQ GKGRGPNAWL SPVGCALSTL LVFIPLRSQL GQRIPFVQHL MSLAVVEAVR SIPGYEDINL RVKWPNDIYY SDLMKIGGVL VNSTLMGETF YILIGCGFNV TNSNPTICIN DLIEEHNKQH GAGLKPLRAD CLIARAVTVL EKLIDRFQDQ GPDGVLPLYY KYWVHGGQQV RLGSTEGPQA SIVGLDDSGF LQVHQEDGGV VTVHPDGNSF DMLRNLIVPK RQ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	78,516 Da
Sequence Positions	1-722, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q920N2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Hlcs recombinant protein	MBS1339506 is a recombinant protein targeting Hlcs. Also known as Recombinant Mouse Biotin--protein ligase (Hlcs). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Hlcs recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hlcs. It may not necessarily be applicable to this product.

NCBI GI #	20982837

NCBI GeneID	110948
NCBI Accession #	NP_631884.1
UniProt Primary Accession #	Q920N2
UniProt Related Accession #	Q920N2
GenBank Nucleotide #	NM_139145.5
NCBI Official Full Name	biotin--protein ligase isoform 2
NCBI Official Synonym Full Names	holocarboxylase synthetase (biotin- [propriony-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase)
NCBI Official Symbol	Hlcs
NCBI Official Synonym Symbols	D16Jhu34; 410I21.SP6
UniProt Protein Name	Biotin--protein ligase
UniProt Synonym Protein Names	Biotin apo-protein ligaseIncluding the following 4 domains:Biotin--[methylmalonyl-CoA-carboxytransferase] ligase (EC:6.3.4.9)Biotin--[propionyl-CoA-carboxylase [ATP-hydrolyzing]] ligase (EC:6.3.4.10)Alternative name(s):Holocarboxylase synthetase; HCS
Protein Family	Biotin--protein ligase
UniProt Gene Name	Hlcs
UniProt Synonym Gene Names	HCS
NCBI Protein Information	biotin--protein ligase
UniProt Comments for Hlcs	Post-translational modification of specific protein by attachment of biotin. Acts on various carboxylases such as acetyl-CoA-carboxylase, pyruvate carboxylase, propionyl CoA carboxylase, and 3-methylcrotonyl CoA carboxylase ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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