

LDCC Protein, E. coli, Recombinant (His)

General Information

Synonyms: ldcH;ldcC;Constitutive lysine decarboxylase;ldc

Protein Construction: 1-713 aa

Species: E. coli

Expression Host: E. coli

Accession: P52095

Molecular Weight: 82.6 kDa (predicted)

AA Sequence: MNIIAIMGPHGVFYKDEPIKELESALVAQGFQIIWPQNSVDLLKFIGHNPRICGVIFDWDEYSLDLCSDINQLNEYLPLYAFINTHSTMDVSVQDMRMALWFFEYALGQAEDIAIRMRQYTDYLDNITPPFTKALFTYVKERKYTFCTPGHMGGTAYQKSPVGCIFYDFFGGNTLKADVSI SVTELGSLDHTGPHLEAEEYIARTFGAEQSYIVTNGTSTS NKIVGMYAAPSGSTLLIDRNCHKSLAHLMMNDVVPVWLKPTRNALGILGGIPRREFTRDSIEEKVAATTQAQ WPVHAVITNSTYDGLLYNTDWIKQTLDVPSIHFD SAWVPYTHFHPIYQKGKSGMSGERVAGKVIFETQSTHKM LAALSQASLIHIKGEYDEEAFNEAFMMHTTTSPSYPIVASVETAAAMLRGNPGKRLINRSVERALHFRKEVQRL REESDGWFFDIWQPPQVDEAECWPVAPGEQWHGFNDADADHMFLDPVKVILTTPGMDEQGNMSEEGIPA ALVAKFLDERGIVVEKTGPYNLLFLFSIGIDKTKAMGLLRGLTEFKRSYDLNLRINMLPDLYAEDPDFYRNMRI QDLAQGIHKLIRKHDLPGLMLRAFDTLPEMIMTPHQAWQRQIKGEVETIALEQLVGRVSANMILPYPPGVPLL MPGEMLTKESRTVLDLFLMLCSVGQHYPGFETDIHGAKQDEDGVYRVRVLK MAG

QC Testing

Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized ldcC at 2 µg/mL can bind human ycbX, the EC50 of human ycbX protein is 40.54-47.97 µg/mL.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/µg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Plays a role in lysine utilization by acting as a lysine decarboxylase.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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