

Recombinant Mouse Clybl Protein, Myc/DDK-tagged

Cat. No. Clybl-2204M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length citrate lyase beta like (Clybl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mitochondrial citramalyl-CoA lyase indirectly involved in the vitamin B12 metabolism. Converts citramalyl-CoA into acetyl-CoA and pyruvate in the C5-dicarboxylate catabolism pathway. The C5-dicarboxylate catabolism pathway is required to detoxify itaconate, a vitamin B12-poisoning metabolite. Also acts as a malate synthase in vitro, converting glyoxylate and acetyl-CoA to malate. Also displays malyl-CoA thioesterase activity. Also acts as a beta-methylmalate synthase in vitro, by mediating conversion of glyoxylate and propionyl-CoA to beta-methylmalate. Also has very weak citramalate synthase activity in vitro.
Molecular Mass	37.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Clybl citrate lyase beta like \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Clybl](#)

Synonyms CLYBL; citrate lyase beta like; citrate lyase subunit beta-like protein, mitochondrial; citrate lyase beta-like; Clb; AI256068; 0610033J05Rik; 2310014M14Rik

Gene ID [69634](#)

mRNA Refseq [NM_029556](#)

Protein Refseq [NP_083832](#)

UniProt ID [Q8R4N0](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA