

Human Cbl-c / CBL-3 Protein (His & GST Tag)



Sino Biological
Biological Solution Specialist

Catalog Number: 15659-H20B

General Information

Gene Name Synonym:

CBL-3; CBL-SL; RNF57

Protein Construction:

A DNA sequence encoding the human CBLC (AAH28915.1) (Met1-Ala474) was expressed with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human CBLC chimera consists of 711 amino acids and has a calculated molecular mass of 80.2 kDa. The recombinant protein migrates approximately 66 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

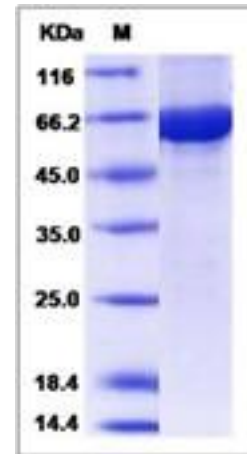
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

CBL proteins, such as Cbl-c, are phosphorylated upon activation of a variety of receptors that signal via protein tyrosine kinases. Through interactions with proteins containing SRC homology-2 (SH2) and SH3 domains, CBL proteins modulate downstream cell signaling. Cbl-c is a member of the Cbl family of E3 ubiquitin ligases. Expression of Cbl-c gene may be restricted to epithelial cells, and alternatively spliced transcript variants encoding multiple isoforms have been observed for Cbl-c gene.

References

1.Kim M. et al., 1999, Gene. 239 (1): 145-54. 2.Courbard JR. et al., 2003, J. Biol. Chem. 277 (47): 45267-75. 3.Keane MM. et al., 1999, Oncogene. 18 (22): 3365-75.

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