

Recombinant Human CBL Protein, MYC/DDK-tagged

Cat. No. CBL-2727H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CBL protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.

Species Human

Source HEK293

Description This gene is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. The encoded protein is one of the enzymes required for targeting substrates for degradation by the proteasome. This protein mediates the transfer of ubiquitin from ubiquitin conjugating enzymes (E2) to specific substrates. This protein also contains an N-terminal phosphotyrosine binding domain that allows it to interact with numerous tyrosine-phosphorylated substrates and target them for proteasome degradation. As such it functions as a negative regulator of many signal transduction pathways. This gene has been found to be mutated or translocated in many cancers including acute myeloid leukaemia, and expansion of CGG repeats in the 5' UTR has been associated with Jacobsen syndrome. Mutations in this gene are also the cause of Noonan syndrome-like disorder.

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

Molecular Mass 99.5 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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

GENE INFORMATION

Gene Name CBL Cbl proto-oncogene, E3 ubiquitin protein ligase [Homo sapiens]

Official Symbol CBL

Synonyms C-CBL; CBL2; FRA11B; NSLL; RNF55

Gene ID 867

mRNA Refseq NM_005188

Protein Refseq NP_005179

MIM 165360

UniProt ID P22681

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