

# Recombinant Human CBL cell lysate

**Cat. No.** CBL-287HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>    | The cbl oncogene was first identified as part of a transforming retrovirus which induces mouse pre-B and pro-B cell lymphomas. As an adaptor protein for receptor protein-tyrosine kinases, it positively regulates receptor protein-tyrosine kinase ubiquitination in a manner dependent upon its variant SH2 and RING finger domains. Ubiquitination of receptor protein-tyrosine kinases terminates signaling by marking active receptors for degradation. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CBL Cbl proto-oncogene, E3 ubiquitin protein ligase [ Homo sapiens ]                                                                                               |
| <b>Official Symbol</b> | CBL                                                                                                                                                                |
| <b>Synonyms</b>        | CBL; Cbl proto-oncogene, E3 ubiquitin protein ligase; Cas Br M (murine) ecotropic retroviral transforming sequence , CBL2; E3 ubiquitin-protein ligase CBL; c Cbl; |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | oncogene CBL2; RNF55; proto-oncogene c-Cbl; RING finger protein 55; signal transduction protein CBL; casitas B-lineage lymphoma proto-oncogene; Cas-Br-M (murine) ecotropic retroviral transforming sequence; CBL2; NSLL; C-CBL;                                                                                                                                                                                                                                              |
| <b>Gene ID</b>             | 867                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | NM_005188                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_005179                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>                 | 165360                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | P22681                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 11q23.3-qter                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem; |
| <b>Function</b>            | SH3 domain binding; calcium ion binding; ephrin receptor binding; ligase activity; phosphotyrosine binding; protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; ubiquitin-protein ligase activity; zinc ion binding;                                                                                                                                                                                                    |