

## Recombinant Human CBL

**Cat. No.** CBL-26493TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human CBL protein with an N terminal proprietary tag; predicted mwt: 36.63 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<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>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids** NIQSQAPSITESSTFGEGNLAAAHANTGPEESENEDDGYDVPKPPVPAVLARRTLSD  
ISNASSSFGWLSLDGDPTTNVTEGSQVPERPPKPFRRINSER

**Sequence Similarities** Contains 1 Cbl-PTB (Cbl-type phosphotyrosine-binding) domain.Contains 1 RING-type zinc finger.Contains 1 UBA domain.

## GENE INFORMATION

**Gene Name** CBL Cas-Br-M (murine) ecotropic retroviral transforming sequence [ Homo sapiens ]

**Official Symbol** CBL

**Synonyms** CBL; Cas-Br-M (murine) ecotropic retroviral transforming sequence; CBL2; E3 ubiquitin-protein ligase CBL; c Cbl; oncogene CBL2; RNF55;

**Gene ID** 867

**mRNA Refseq** NM\_005188

**Protein Refseq** NP\_005179

**MIM** 165360

**Uniprot ID** P22681

**Chromosome Location** 11q23.3-qter

**Pathway** B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells,

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conserved biosystem; CDC42 signaling events, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem;

**Function**

SH3 domain binding; calcium ion binding; ephrin receptor binding; ligase activity; phosphotyrosine binding;

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