Recombinant Human CBL

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

SPECIFICATION

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

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	cycles.
Sequences of amino acids	NIQSQAPSITESSTFGEGNLAAAHANTGPEESENEDDGYDVPKPPVPAVLARRTLSD ISNASSSFGWLSLDGDPTTNVTEGSQVPERPPKPFPRRINSER
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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