

Datasheet for ABIN7564288  
**CBLC Protein (AA 1-496) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CBLC
Protein Characteristics:	AA 1-496
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBLC protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Cblc Protein expressed in mammalian cells.
Sequence:	<p>MAAAAAPRGW QRGEPRALSR AVKLLQRLEE QCRDPRMVTG PPSLRDLLPR TAQLLGEVAK  ARREAREDPE GPGGADDFLA IYLANLEVKG RQVAELLPPR GKDVDNQDVF REGSRFRRQL  AKLALIFSHM HAELSALFPA GKYCGHLYQL TKGSAHIFWR QNCGVRCVLP WAEFQSLLCA  CHPVEPGPTM QALRSTLDLT CNGHVSVFEF DVFTRLFQPW PTLLRNWQLL AVNHPGYMAF  LTYDEVQTRL QAYRDKPGSY IFRPSCTRLG QWAIGYVSSD GSILQTIPLN KPLLQVLLKG  QKDGIFLFPD GKKNPDLTE LCRVEPYQRI QVSEEQLLLY QAMNSTFQLC KICAERDKDV  RIEPCGHLLC SCCLAAWQDS DSQTCPCFCRC EIKGREAVSI CQAQERPTTEV RTAADGSRDN  CHQEAAEQKL GPVIPSAPSL LPEDQFPQGP QDKGWLT LAP LALPRLRPPL PLPKMASVLW  EVTSRPRARE EATESS</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

### Characteristics:

### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

### Target:

CBLC

### Alternative Name:

Cblc ([CBLC Products](#))

### Background:

E3 ubiquitin-protein ligase CBL-C (EC 2.3.2.27) (RING-type E3 ubiquitin transferase CBL-C) (SH3-binding protein CBL-3) (SH3-binding protein CBL-C) (Signal transduction protein CBL-C), FUNCTION: Acts as an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Functionally coupled with the E2 ubiquitin-protein ligases UB2D1, UB2D2 and UB2D3. Regulator of EGFR mediated signal transduction, upon EGF activation, ubiquitinates EGFR. Isoform 1, but not isoform 2, inhibits EGF stimulated MAPK1 activation. Promotes ubiquitination of SRC phosphorylated at 'Tyr-424', has the highest ubiquitin ligase activity among CBL family proteins. In collaboration with CD2AP may act as regulatory checkpoint for Ret signaling by modulating the rate of RET degradation after ligand activation, CD2AP converts it from an inhibitor to a promoter of RET degradation, the function limits the potency of GDNF on neuronal survival. {ECO:0000250|UniProtKB:Q9ULV8}.

### Molecular Weight:

55.7 kDa

## Target Details

UniProt:	<a href="#">Q80XL1</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months