

# Recombinant Human CAPZB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAPZB-4706H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

CAPZB MS Standard C13 and N15-labeled recombinant protein (NP\_004921) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes the beta subunit of the barbed-end actin binding protein, which belongs to the F-actin capping protein family. The capping protein is a heterodimeric actin capping protein that blocks actin filament assembly and disassembly at the fast growing (barbed) filament ends and functions in regulating actin filament dynamics as well as in stabilizing actin filament lengths in muscle and nonmuscle cells. A pseudogene of this gene is located on the long arm of chromosome 2. Multiple alternatively spliced transcript variants encoding different isoforms have been found.

### Molecular Mass

30.4 kDa

### AA Sequence

MSDQQQLDCALDLMRRLPPQQIEKNLSLDLIDLVPSLCEDLLSSVDQPLKIARDKVVGK  
DYLLCDYNRDGDSYRSPWSNKYDPPLEDGAMP SARLRKLEVEANNAFDQYRDLYF  
EGGVSSVYLWDLDHGFAGVILIKKAGDGSKKIKGCWDSIHVVEVQEKSSGRTAHYKL  
TSTVMLWLQTNKSGSGTMNLGGSLTRQMEKDET VSDCSPHIANIGRLVEDMENKIR  
STLNEIYFGKTKDIVNGLRSVQTFADKSKQEALKNLVEALKRKQQCTRTRPLEQKLI  
SEEDLAANDILDYKDDDDKV

 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

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

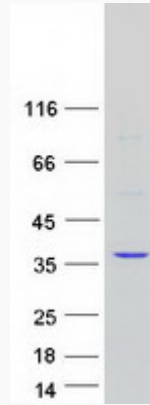
<b>Gene Name</b>	CAPZB capping actin protein of muscle Z-line subunit beta [ Homo sapiens (human) ]
<b>Official Symbol</b>	CAPZB
<b>Synonyms</b>	CAPZB; capping protein (actin filament) muscle Z-line, beta; F-actin-capping protein subunit beta; capZ beta; CAPB; CAPZ; CAPPB; FLJ12274; FLJ44693; MGC104401; MGC129749; MGC129750; DKFZp686K0524;
<b>Gene ID</b>	832
<b>mRNA Refseq</b>	NM_004930
<b>Protein Refseq</b>	NP_004921
<b>MIM</b>	601572
<b>UniProt ID</b>	P47756

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**SDS-PAGE**



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