

Product datasheet for **TP310480L**

CAPZB (NM_004930) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human capping protein (actin filament) muscle Z-line, beta (CAPZB), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210480 representing NM_004930 Red =Cloning site Green =Tags(s)

MSDQQLDCALDLMRRLPPQQIEKNLSDLIDLVPSLCEDLLSSVDQPLKIARDKVVGKDYLLCDYNRDGDS
YRSPWSNKYDPPLEDGAMPSARLRKLEVEANNAFDQYRDLYFEGGVSSVYLWDLDHGFGAGVILIKKAGDG
SKKIKGCWDSIHVVEVQEKSSGRTAHYKLTSTVMLWLQTNKSGSGTMNLGGSLTRQMEKDETVSDCSPHI
ANIGRLVEDMENKIRSTLNEIFGKTKDIVNGLRSVQTFADKSKQEALKNDLVEALKRKQQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	30.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_004921</u>
Locus ID:	832



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UniProt ID: [P47756](#), [A0A384MR50](#), [Q7L4N0](#)

RefSeq Size: 1647

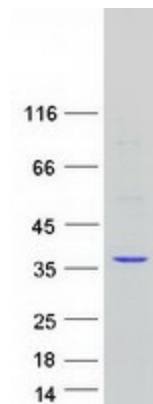
Cytogenetics: 1p36.13

RefSeq ORF: 816

Synonyms: CAPB; CAPPB; CAPZ

Summary: 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.[provided by RefSeq, Aug 2013]

Product images:



Coomassie blue staining of purified CAPZB protein (Cat# [TP310480]). The protein was produced from HEK293T cells transfected with CAPZB cDNA clone (Cat# [RC210480]) using MegaTran 2.0 (Cat# [TT210002]).