

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	MSDQQLDCALDLMRRLPPQQIEKNLSLDLIDLVPSLCEDLLSSVDQPLKIARDKVVGK DYLLCDYNRDGDSYRSPWSNKYDPPLIEDGAMP SARLRKLEVEANNAFDQYRDLYF EGGVSSVYLWDL DHGFAGVILIKKAGDGSKKIKGCWDSIHVVEVQEKSSGRTAHYKL TSTVMLWLQTNKSGSGTMNLGGSLTRQMEKDET VSDCSPHIANIGRLVEDMENKIR STLNEIFYGKTKDIVNGLRSVQTFADKSKQEALKNDLVEALKRKQQCTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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

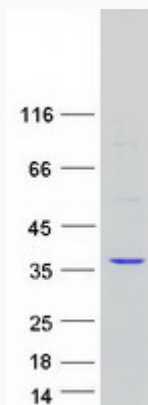
GENE INFORMATION

Gene Name	CAPZB capping actin protein of muscle Z-line subunit beta [Homo sapiens (human)]
Official Symbol	CAPZB
Synonyms	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;
Gene ID	832
mRNA Refseq	NM_004930
Protein Refseq	NP_004921
MIM	601572
UniProt ID	P47756

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SDS-PAGE

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