

Recombinant Human CAPZB, His-tagged

Cat. No. CAPZB-26238TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-272 of Human CAPZB with N terminal His tag, 34kDa.
Species	Human
Source	E.coli
ProteinLength	1-272 a.a.
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. Multiple alternatively spliced transcript variants encoding different isoforms have been found.
Conjugation	HIS
Form	Lyophilised:For lot 903131, please reconstitute with 148 µl aqua dest.For lot 935335 and above, please reconstitute with 155 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MSDQQQLDCALDMRRLPPQQIEKNLSLIDLVPSLCEDLL SSVDQPLKIARDKVVVGK DYLLCDYNRDGDSYRSPWSNK YDPPLEDGAMP SARLRKLEVEANNAFDQYRDLYF EGGVSS VYLWDL DHGFAGVILIKKAGDGSKKIKGCWDSIHVVEV QEKSSGRTAHYK LTSTVMLWLQTNKSGSGTMNLGGS LT RQMEKDETVSDCSPHIANIGRLVEDMENKI RSTLNEIYFG KTKDIVNGLRSVQTFADKSKQEALKNDLVEALKRKQQC
Sequence Similarities	Belongs to the F-actin-capping protein beta subunit family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CAPZB capping protein (actin filament) muscle Z-line, beta [Homo sapiens]
Official Symbol	CAPZB
Synonyms	CAPZB; capping protein (actin filament) muscle Z-line, beta; F-actin-capping protein subunit beta;
Gene ID	832
mRNA Refseq	NM_001206540
Protein Refseq	NP_001193469
MIM	601572
Uniprot ID	P47756
Chromosome Location	1p36.1

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Pathway

Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem;

Function

actin binding;

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