

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

MSDQQLDCALDMRRLPPQQIEKNLSLIDLVPSLCEDLL SSVDPQLKIARDKVVVGK
 DYLLCDYNRDGDSYRSPWSNK YDPLEDGAMP SARLRKLEVEANNAFDQYRDLYF
 EGGVSS VYLWDLDHGFAGVILIKKAGDGSKKIKGCWDSIHVVEV 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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