

Recombinant Human CAPZA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAPZA1-1870H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAPZA1 MS Standard C13 and N15-labeled recombinant protein (NP_006126) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	CAPZA1 is a member of the F-actin capping protein alpha subunit family. This gene encodes the alpha subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments.
Molecular Mass	32.9 kDa
AA Sequence	MADFDDRVSDEEKVRIAAKFITHAPPGFNEVFNDVRLLLNNDNLLREGAAHAFAQY NMDQFTPVKIEGYEDQVLITEHGDLGNSRFLDPRNKISFKFDHLRKEASDPQPPEAD GGLKSWRESCDSALRAYVKDHYSNGFCTVYAKTIDGQQTIACIESHQFQPKNFWN GRWRSEWKFTITPPTAQVVGVLKIQVHYIEDGNVQLVSHKDVQDSLTVSNEAQTA EFIKIENAENEYQTAISENYQTMSDTTFKALRRQLPVTRTKIDWNKILSYKIGKEMQN ATRTRPLEQKLISEEDLAANDILDYKDDDDKV
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

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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 CAPZA1 capping actin protein of muscle Z-line subunit alpha 1 [Homo sapiens (human)]

Official Symbol CAPZA1

Synonyms CAPZA1; capping protein (actin filament) muscle Z-line, alpha 1; F-actin-capping protein subunit alpha-1; Cap Z; capZ alpha-1; CAPZ; CAZ1; CAPPA1;

Gene ID 829

mRNA Refseq NM_006135

Protein Refseq NP_006126

MIM 601580

UniProt ID P52907

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