Recombinant Human CAPZA3, GST-tagged

Cat. No. CAPZA3-10716H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPZA3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-299a.a.
Description	This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	CAPZA3 capping protein (actin filament) muscle Z-line, alpha 3 [Homo sapiens]
Official Symbol	CAPZA3
Synonyms	CAPZA3; capping protein (actin filament) muscle Z-line, alpha 3; F-actin-capping protein subunit alpha-3; CAPPA3; Gsg3; CP-alpha-3; CapZ alpha-3; germ cell-specific protein 3; F-actin capping protein alpha-3 subunit;
Gene ID	93661
mRNA Refseq	NM_033328
Protein Refseq	NP_201585
MIM	608722
UniProt ID	Q96KX2
Chromosome Location	12p12.3
Function	actin binding;

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