

Recombinant Human CAP1, His-tagged

Cat. No. CAP1-10696H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAP1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	125-475a.a.
Description	The protein encoded by this gene belongs to the CDK subfamily of the Ser/Thr protein kinase family. The CDK subfamily members are highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> cdc2, and are known to be essential for cell cycle progression. This kinase has been shown to play a role in cellular proliferation and its function is limited to cell cycle G2-M phase. Multiple transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name CAP1 CAP, adenylate cyclase-associated protein 1 (yeast) [Homo sapiens]

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Official Symbol	CAP1
Synonyms	CAP1; CAP, adenylate cyclase-associated protein 1 (yeast); adenylyl cyclase-associated protein 1; CAP; CAP 1; CAP1-PEN;
Gene ID	10487
mRNA Refseq	NM_001105530
Protein Refseq	NP_001099000
UniProt ID	Q01518
Chromosome Location	1p34.3
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Hemostasis, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca ²⁺ , organism-specific biosystem;
Function	actin binding; binding;

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