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 S. cerevisiae cdc28, and S. pombe 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℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 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 Ca2+, organism-specific biosystem;
Function	actin binding; binding;

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