

Recombinant Human CAP1 Protein, His-tagged

Cat. No. CAP1-445H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAP1(Ala33~Thr272) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala33~Thr272
Description	The protein encoded by this gene is related to the <i>S. cerevisiae</i> CAP protein, which is involved in the cyclic AMP pathway. The human protein is able to interact with other molecules of the same protein, as well as with CAP2 and actin. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	27.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 92%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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