

Adenylyl Cyclase Associated Protein 1 (CAP1) Recombinant Protein | CAP1 recombinant protein

Recombinant Adenylyl Cyclase Associated Protein 1 (CAP1)

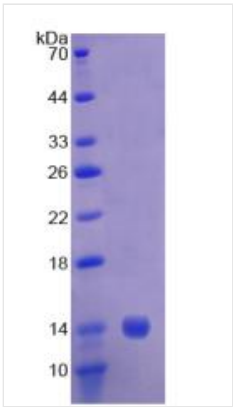
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134249	E.coli	Human	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

PRODUCT SYNONYMS

Adenylyl Cyclase Associated Protein 1 (CAP1); Recombinant Adenylyl Cyclase Associated Protein 1 (CAP1); CAP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Human
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Concentration	200ug/mL (varies by lot)
Applicable Applications for CAP1 recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Residues	Ala38~Lys149
Tags	N-terminal His-Tag
Tissue Specificity	Kidney
Subcellular Location	Cell membrane; Peripheral membrane protein
Traits	Freeze-dried powder
Predicted isoelectric point	6.8
Predicted Molecular Mass	13.4kDa
Accurate Molecular Mass	14kDa as determined by SDS-PAGE reducing conditions
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: 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 degree C 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.



Sequence

LAGPVAEYLK ISKEIGGDVQ KHAEMVHTGL KLERALLVTA SQCQQPAENK
LSDLLAPISE QIKEVITFRE KNRGSKLFNH LSAVSESIQA LGWVAMAPK

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	157649073
NCBI GeneID	10487
NCBI Accession #	NP_001099000.1
NCBI GenBank Nucleotide #	NM_001105530.1
UniProt Accession #	Q01518; Q53HR7; Q5T0S1; Q5T0S2; Q6I9U6
NCBI Official Full Name	adenylyl cyclase-associated protein 1
NCBI Official Synonym Full Names	CAP, adenylate cyclase-associated protein 1 (yeast)
NCBI Official Symbol	CAP1
NCBI Official Synonym Symbols	CAP; CAP1-PEN
NCBI Protein Information	adenylyl cyclase-associated protein 1; CAP 1
UniProt Protein Name	Adenylyl cyclase-associated protein 1
UniProt Gene Name	CAP1
UniProt Synonym Gene Names	CAP; CAP 1
UniProt Entry Name	CAP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.