# Recombinant Human CAP2 protein, His & S-tagged

**Cat. No.** CAP2-8096H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CAP2 aa. (Met1~Ala477 (Accession # P40123)) fused with N-terminal His & S tag was produced in E. coli cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Met1~Ala477 |
| **Description** | This gene was identified by its similarity to the gene for human adenylyl cyclase-associated protein. The function of the protein encoded by this gene is unknown. However, the protein appears to be able to interact with adenylyl cyclase-associated protein and actin. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 59.5kDa |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >90% |
| **Characteristic** | The isoelectric point is 6.0. |
| **Applications** | SDS-PAGE; WB; ELISA; IP |

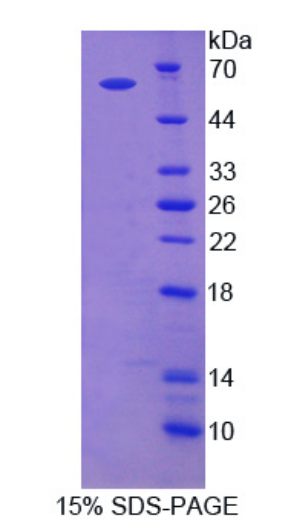
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| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage Buffer** | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4. |

## GENE INFORMATION

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| **Gene Name** | CAP2 cyclase associated actin cytoskeleton regulatory protein 2 [ Homo sapiens (human) ] |
| **Official Symbol** | CAP2 |
| **Synonyms** | 2810452G09Rik; CAP 2; CAP, adenylate cyclase-associated protein, 2; adenylyl cyclase-associated protein 2 |
| **Gene ID** | 10486 |
| **mRNA Refseq** | NM_006366.2 |
| **Protein Refseq** | NP_006357.1 |
| **UniProt ID** | P40123 |

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| **SDS-PAGE** | <br>15% SDS-PAGE |

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