Recombinant Mouse Cap1 Protein, MYC/DDK-tagged

Cat. No. Cap1-757M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse CAP, adenylate cyclase-associated protein 1 (yeast) (Cap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The product of this gene plays a role in regulating actin dynamics by binding actin monomers and promoting the turnover of actin filaments. Reduced expression of this gene causes a reduction in actin filament turnover rates, causing multiple defects, including an increase in cell size, stress-fiber alterations, and defects in endocytosis and cell motility. A pseudogene of this gene is found on chromosome 14. Alternative splicing results in multiple transcript variants, but does not affect the protein.
Molecular Mass	51.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Cap1 CAP, adenylate cyclase-associated protein 1 (yeast) [Mus musculus (house mouse)]
Official Symbol	Cap1
Synonyms	Cap1; CAP, adenylate cyclase-associated protein 1 (yeast); adenylyl cyclase-associated protein 1; adenylyl cyclase-associated CAP protein, yeast homolog 1
Gene ID	12331
mRNA Refseq	NM_007598
Protein Refseq	NP_031624
UniProt ID	P40124

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