

## Product datasheet for TP507594

### Cap1 (NM\_007598) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CAP, adenylate cyclase-associated protein 1 (yeast) (Cap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207594 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MADMQNLVERLERAVGRLEAVSHTSDMHCGYGDSPSKGAVPYVQAFDSSLANPVAEYLKMSKEIGGDVQK  
HAEMVHTGLKLERALLATASQCQQPAGNKLSDLLAPISEQIQEVITFREKNRSGKFFNHL SAVSESIQAL  
GWWALAAKPGPFVKEMNDAAMFYTNRVLKEYRDVDKHHVDWVRAYLSIWTELQAYIKEFHHTGLAWSKTG  
PVAKELSGLPSGSPVSGSGPPPPPPGPPPPPIPTSSGSDSASRSALFAQINQGESITHALKHVSDDMKTH  
KNPALKAQSGPVRSGPKPFSAPKPQTSPSPKATKKEPALLEGGKWRVENQENVSNLVIDDTELKQVA  
YIYKCVNTTLQIKGKINSITVDNCKLGLVFDDVVGIVEIINSRDVKVQVMGKVPTISINKTDGCHAYLS  
KNSLDCEIVSAKSEMNVLIPTEGGDFNEFPVPEQFKTLWNGQKLVTTVTIEAG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	51.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_031624</a>
Locus ID:	12331



[View online »](#)

UniProt ID: [P40124](#)

RefSeq Size: 2749

Cytogenetics: 4 D2.2

RefSeq ORF: 1425

**Summary:** 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. [provided by RefSeq, Jul 2014]