

## Product datasheet for **TP301394M**

### **CAP1 (NM\_006367) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human CAP, adenylate cyclase-associated protein 1 (yeast) (CAP1), transcript variant 1, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201394 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MADMQNLVERLERAVGRLEAVSHTSDMHRGYADSPSKAGAAPYVQAFDSLLAGPVAEYLKISKEIGGDVQ  
KHAEMVHTGLKLERALLVTASQCQQAENKLSDLLAPISEQIKEVITFREKNRGSKLFNHL SAVSESIQA  
LGWVAMAPKPGPYVKEMNDAAMFYTNRVLKEYKDVDKKHVDWVKAYLSIWTELQAYIKEFHHTGLAWSKT  
GPVAKELSGLPSPGSAAGSGPPPPPPGPPPPVSTSSGSDESASRSALFAQINQGESITHALKHVSDDMKT  
HKNPALKAQSGPVRSGPKPFSAPKPQTSPSPKRATKKEPAVLEGGKWRVENQENVSNLVIETELKQV  
AYIYKCVNTTLQIKGKINSITVDNCKKLGVLVFDVVGIVEIINSKDVKVQVMGKVP TISINKTDGCHAYL  
SKNSLDCEIVSAKSSEMNVLIPTGGDFNEFPVPEQFKTLWNGQKLVTTVTEIAG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 51.5 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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**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.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_006358](#)

Locus ID: 10487

UniProt ID: [Q01518](#), [D3DPU2](#)

RefSeq Size: 2798

Cytogenetics: 1p34.2

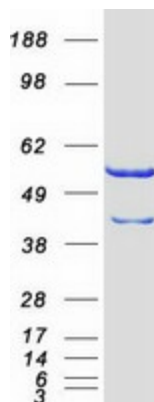
RefSeq ORF: 1425

Synonyms: CAP; CAP1-PEN

**Summary:** The protein encoded by this gene is related to the *S. cerevisiae* 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. [provided by RefSeq, Aug 2016]

Protein Families: Druggable Genome

### Product images:



Coomassie blue staining of purified CAP1 protein (Cat# [TP301394]). The protein was produced from HEK293T cells transfected with CAP1 cDNA clone (Cat# [RC201394]) using MegaTran 2.0 (Cat# [TT210002]).