

Product datasheet for PH300497

Actin Regulatory Protein CAPG (CAPG) (NM_001747) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CAPG MS Standard C13 and N15-labeled recombinant protein (NP_001738)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200497
Predicted MW:	38.5 kDa
Protein Sequence:	>RC200497 protein sequence Red=Cloning site Green=Tags(s) MYTAIPQSGSPFPGSVQDPGLHVWRVEKLPVPVAQENQGVFFSGDSYLVLHNGPEEVSHLHLWIGQQSS RDEQGACAVLAVHLNLTLLGERPVQHREVQGNESDLFMSYFPRGLKYQEGGVESAFHKTSTGAPAAIKKLY QVKGKKNIRATERALNWDNFNTGDCFILDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGKAQVEI VTDGEEPAEMIQVLGPKPALKEGNPEEDLTADKANAQAAALYKVSDATGQMNLTKVADSSPFALELLISD DCFVLDNGLCGKIYIWKGRKANEKERQAALQVAEGFISRMQYAPNTQVEILPQGRESPIFKQFFKDWK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001738</u>
RefSeq Size:	1604
RefSeq ORF:	1044
Synonyms:	AFCP; HEL-S-66; MCP
Locus ID:	822



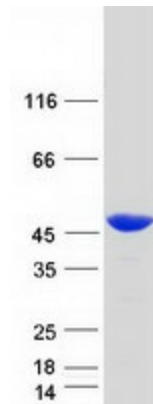
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UniProt ID: [P40121](#), [V9HW69](#)

Cytogenetics: 2p11.2

Summary: This gene encodes a member of the gelsolin/villin family of actin-regulatory proteins. The encoded protein reversibly blocks the barbed ends of F-actin filaments in a Ca²⁺ and phosphoinositide-regulated manner, but does not sever preformed actin filaments. By capping the barbed ends of actin filaments, the encoded protein contributes to the control of actin-based motility in non-muscle cells. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2012]

Product images:



Coomassie blue staining of purified CAPG protein (Cat# [TP300497]). The protein was produced from HEK293T cells transfected with CAPG cDNA clone (Cat# [RC200497]) using MegaTran 2.0 (Cat# [TT210002]).