

Product datasheet for **AR09322PU-L**

CAPG (1-348) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CAPG (1-348) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MYTAIPQSGS PFPGSVQDPG LHWVRVEKLK PVPVAQENQG VFFSGDSYLV LHNGPEEVSH LHLWIGQQSS RDEQGACAVL AVHLNNTLLGE RPVQHREVQG NESDLFMSYF PRGLKYQEGG VESAFHKTST GAPAAIKKLY QVKGKKNIRA TERALNWDSF NTGDCFILDL QQNIFAWCGG KSNILERNKA RDLALAIRDS ERQGKAQVEI VTDGEEPAEM IQVLGPKPAL KEGNPEEDLT ADKANAQAAA LYKVSDATGQ MNLTKVADSS PFALELLISD DCFVLDNGLC GKIIYWKGRK ANEKERQAAL QVAEGFISRM QYAPNTQVEI LPQGRESPIF KQFFKDWK
Predicted MW:	38.5 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CAPG was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001243068
Locus ID:	822
UniProt ID:	P40121 , V9HW69 , B2R9S4
Cytogenetics:	2p11.2
Synonyms:	AFCP; HEL-S-66; MCP



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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: