

## Recombinant Human CAPG

Cat. No. CAPG-26482TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Actin Regulatory Protein CAPG; amino acids 1-348, MWt 38.5kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-348 a.a.
<b>Description</b>	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 Ca <sup>2+</sup> 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, but have not been fully described.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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**Sequences of amino acids**

MYTAIPQSGS PFPGSVQDPG LHVWRVEKLNK PVPVAQENQG VFFSGDSYLV  
 LHNGPEEVSH LHLWIGQQSS RDEQGACAVL AVHLNNTLLGE RPVQHREVQG  
 NESDLFMSYF PRGLKYQEGG VESAFHKTST GAPAAIKKLY QVKGKKNIRA  
 TERALNWDSF NTGDCFILD L GQNIFAWCGG KSNILERNKA RDLALAIRDS  
 ERQGKAQVEI VTDGEEPAEM IQVLGPKPAL KEGNPEEDLT ADKANAQAAA  
 LYKVSDATGQ MNLTKVADSS PFALELLISD DCFVLDNGLC GKIIYWKGRK  
 ANEKERQAAL QVAEGFISRM QYAPNTQVEI LPQGRESPIF KQFFKDWK

**Full Length**

Full L.

**GENE INFORMATION**

**Gene Name**

CAPG capping protein (actin filament), gelsolin-like [ Homo sapiens ]

**Official Symbol**

CAPG

**Synonyms**

CAPG; capping protein (actin filament), gelsolin-like; AFCP; macrophage-capping protein; macrophage capping protein; MCP;

**Gene ID**

822

**mRNA Refseq**

NM\_001747

**Protein Refseq**

NP\_001738

**MIM**

153615

**Uniprot ID**

P40121

**Chromosome Location**

2p11.2

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**Function**

actin binding;

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