

## Recombinant Human CAPG, His-tagged

Cat. No. CAPG-1528H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CAPG (aa. 1-348) produced in <i>E.coli</i> is a 38.5 kDa protein. It was fused to His-tag at N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Protein Length</b>	1-348 a.a.
<b>Description</b>	Calcium-sensitive protein which reversibly blocks the barbed ends of actin filaments but does not sever preformed actin filaments. May play an important role in macrophage function. May play a role in regulating cytoplasmic and/or nuclear structures through potential interactions with actin. May bind DNA.
<b>Purity</b>	95%.
<b>Preparation</b>	0.1mg/0.086 ml.
<b>Tested Application</b>	E, WB, MS.
<b>Buffer</b>	10 mM Tris, pH 8.0, 0.002% NaN <sub>3</sub> , 3mM NaCl, 2.5mM.
<b>Species Reactivity</b>	n/aH.
<b>Storage</b>	Store at -70°C with any protein, exposing CAPG recombinant protein to repeated

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freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

## GENE INFORMATION

<b>Gene Name</b>	CAPG capping protein (actin filament), gelsolin-like [ Homo sapiens ]
<b>Synonyms</b>	capping protein (actin filament), gelsolin-like; MCP; AFCP; CAPG; gelsolin-like capping protein; OTTHUMP00000203057; OTTHUMP00000203058; macrophage capping protein; actin-regulatory protein CAP-G; Actin regulatory protein CAP-G
<b>Gene ID</b>	822
<b>mRNA Refseq</b>	NM_001747
<b>Protein Refseq</b>	NP_001738
<b>MIM</b>	153615
<b>UniProt ID</b>	P40121
<b>Chromosome Location</b>	2p11.2
<b>Function</b>	actin binding

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