

Recombinant Human CAPG Protein, GST-Tagged

Cat. No. CAPG-0353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CAPG full-length ORF (AAH00728.1, 1 a.a. - 348 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 ²⁺ 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]
Molecular Mass	63.8 kDa
AA Sequence	MYTAIPQSGSPFPGSVQDPGLHVWRVEKLKPVPAQENQGVFFSGDSYLVLHNGP EEVSHLHLWIGQQSSRDEQGACAVLAVHLNLTLLGERPVQHREVQGNESDLFMSYF PRGLKYQEGGVESAFHKTSTGAPAAIKKLYQVKGKKNIRATERALNWDSFNTGDCFI LDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGKAQVEIVTDGEEPAEMIQVL GPKPALKEGNPEEDLTADKANAQAAALYKVSDATGQMNLTKVADSSPFALELLISDD CFVLDNGLCGKIYWKGRKANERQAALQVAEGFISRMQYAPNTQVEILPQGRESP IFKQFFKDWK

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; gelsolin-like capping protein; actin regulatory protein CAP-G; actin-regulatory protein CAP-G;
Gene ID	822
mRNA Refseq	NM_001256139
Protein Refseq	NP_001243068
MIM	153615
UniProt ID	P40121

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