

Recombinant Full Length Human CAPG Protein, GST-tagged

Cat. No. CAPG-2813HF 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	In Vitro Cell Free System
Protein Length	348 amino acids
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	MYTAIPQSGSPFPQSVQDPGLHVWRVEKLPVPVAQENQGVFFSGDSYLVLHNGP EEVSHLHLWIGQQSSRDEQGACAVLAVHLNLTLLGERPVQHQREVQGNESDLFMSYF PRGLKYQEGGVESAFHKTSTGAPAAIKKLYQVKGKKNIRATERALNWDSFNTGDCFI LDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGKAQVEIVTDGEEPAEMIQVL GPKPALKEGNPEEDLTADKANAQAAALYKVSDATGQMNLTKVADSSPFALELLISDD CFVLDNGLCGKIYWKGRKANERQAALQVAEGFISRMQYAPNTQVEILPQGRESP

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

IFKQFFKDWK

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

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UniProt ID

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