

CAPG recombinant protein

CAPG, 1-348aa, Human, E Coli

CATALOG # AAA48588	HOST E Coli	APPLICATIONS SDS-Page
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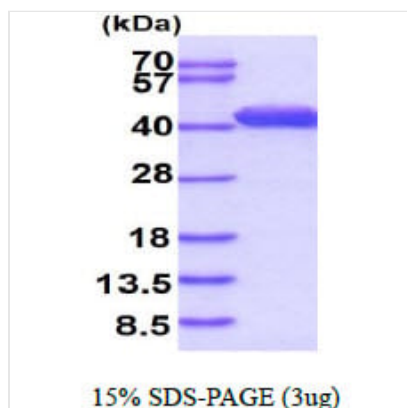
PRODUCT SYNONYMS

CAPG; 1-348aa; Human; E Coli; Macrophage-capping protein; MCP; AFCP; Macrophage-capping protein Actin capping protein GCAP39; Actin regulatory protein CAP G; Capping protein (actin filament) gelsolin like; Capping protein gelsolin like; gCap39; Gelsolin like capping protein; Macrophage capping protein; mbh1; Myc basic motif homolog 1.; CAPG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MYTAIPQSGS PFPGSVQDPG LHVWRVEKLK PVPVAQENQG VFFSGDSYLV LHNGPEEVSH LHLWIGQQSS RDEQGACAVL AVHLNTLLGE RPVQHREVQG NESDLFMSYF PRGLKYQEGG VESAFHKTST GAPAAIKKLY QVKGKKNIRA TERALNWDSF NTGDCFILD L GQNIFAWCGG KSNILERNKA RDLALAIRDS ERQGKAQVEI VTDGEPAEM IQVLGPKPAL KEGNPEEDLT ADKANAQAAA LYKVSDATGQ MNLTKVADSS PFALELLISD DCFVLDNGLC GKIYIWKGRK ANEKERQAAL QVAEGFISRM QYAPNTQVEI LPQGRESPIF KQFFKDWK
Sequence Length	348
Applicable Applications for CAPG recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CAPG recombinant protein	Macrophage-capping protein, also known as CAPG, belongs to the gelsolin/villin family of actin-regulatory proteins. CAPG is a calcium-sensitive DNA-binding protein that plays a role in macrophage function. It is expressed in macrophages and macrophage-like cells and can localize both to the nucleus and the cytoplasm. This protein reversibly blocks the barbed ends of F-actin filaments in a Ca2+ and phosphoinositide-regulated manner, but does not sever preformed actin filaments. Recombinant human CAPG was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CAPG recombinant protein	Immunology
References	Dabiri G A., et al. (1992) J Biol Chem. 267:16545-16552.; Pellieux C., et al. (2003) J Biol Chem. 278 (3):29136-44.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	12653873
NCBI GeneID	822
Molecular Weight	38.5 kDa (348aa), confirmed by MALDI-TOF.
NCBI Official Full Name	Capping protein (actin filament), gelsolin-like
NCBI Official Synonym Full Names	capping actin protein, gelsolin like
NCBI Official Symbol	CAPG
NCBI Official Synonym Symbols	MCP; AFCP; HEL-S-66
NCBI Protein Information	macrophage-capping protein
UniProt Protein Name	Macrophage-capping protein
UniProt Gene Name	CAPG
UniProt Synonym Gene Names	AFCP; MCP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.