

CAPG recombinant protein

CAPG, 1-348aa, Human, E Coli

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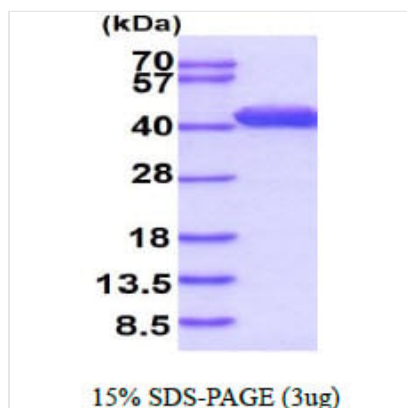
PRODUCT SYNONYMS

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 NTGDCFIDL GQNIFAWCGG KSNILERNKA RDLALAIRDS ERQGKAQVEI VTDGEPAEM IQVLGPKPAL KEGNPEEDLT ADKANAQAAA LYKVSDATGQ MNLTKVADSS PFALELLISD DCFVLDNGLC GKIYWKGRK 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.

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Online datasheet: <https://www.aaabiotech.com/capg-recombinant-protein-e-coli-sds-page/48588>