



Recombinant Human CAPG Protein Product Manual

1. Product Basic Information

Product No.: REP06324

Protein Name: Macrophage-Capping Protein (CAPG)

Aliases: MCP; AFCP; HEL-S-66; macrophage-capping protein; gelsolin-like capping protein; capping actin protein, gelsolin like; capping protein (actin filament), gelsolin-like

UniProt ID: P40121

UniProt Link: <https://www.uniprot.org/uniprotkb/P40121/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of BC014549 (1-348aa)

Molecular Weight: 65.5kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-348aa)

MYTAIPQSGSPFPGSVQDPGLHVWRVEKLKPVPVAQENQGVFFSGDSYLVLHNGP
EEVSHLHLWIGQQSSRDEQGACAVLAVHLNTLLGERPVQHREVQGNESDLFMSYF
PRGLKYQEGGVESAFHKTSTGAPAAIKKLYQVKGKKNIRATERALNWDSFNTGDCF
ILDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGKAQVEIVTDGEEPAEMIQVL
GPKPALKEGNPEEDLTADKANAQAAALYKVSDATGQMNLTKVADSSPFALELLISD
DCFVLDNGLCGKIYWKGRKANERQAALQVAEGFISRMQYAPNTQVEILPQGRE
SPIFKQFFKDWK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human CAPG full length of bc014549 protein (1-348aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. CAPG, also known as MCP or AFCP or HEL-S-66, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.