

CAPG, 1-348aa, Human, E.coli

Cat.NO.: TP01418

3th Edition

Synonyms:Macrophage-capping protein, MCP, AFCP

Description:Macrophage-capping protein, also known as CAPG, belongs to the gelsolin/villin family of actinregulatory 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

Molecular Weight:38.5 kDa (348aa)

Sequences:

MYTAIPQSGSPFPQSVQDPGLHVWRVEKLPVVAQENQGVFFSGDSYLVLHNGPEEVSHLHLWIGQQSSRDEQ
GACAVLAVHLNLTLLGERPVQHREVQGNESDLFMSYFPRGLKYQEGGVESAFHKTSTGAPAAIKKLYQVKGKKNIRA
TERALNWDSFNTGDCFILDGQNIFAWCGGKSNILERNKARDLALAIRDSERQGKAQVEIVTDGEEPAEMIQVLGPK
PALKEGNPEEDLTADKANAQAAALYKVS DATGQMNLTKVADSSPFALELLISDDCFVLDNGLCGKIYIWKGRKAN EK
ERQAALQVAEGFISRMQYAPNTQVEILPQGRESPIFKQFFKDWK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.