



Recombinant Rat Macrophage-capping protein (Capg)

Product Code	CSB-EP738138RA
Abbreviation	Capg
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6AYC4
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MYTPIPQSGS PFPASVQDPG LHIWRVEKLK PVPIARENHG IFFSGDSYLV LHNGPEEASH LHLWIGQQSS RDEQGACAVL AVHLNTLLGE RPVQHREVQG NESDLFMSYF PQGLKYREGG VESAFHKTTT GTPPAIRKL YQVKGKKNIR ATERALSWDS FNTGDCFILD LGQNIFAWCG GKSNILERNK ARDLALAIRD SERQGKAQVE IITDGEEPAE MIQVLGPKPA LKEGNPEEDI TADQTNAQAA ALYKVSDATG QMNLTKVADS SPFASELLIP DDCFVLDNGL CGKIYWKGR KANEKERQAA LQVADGFISR MRYSPNTQVE ILPQGRESPI FKQFFKDWK
Source	E.coli
Target Names	Capg
Protein Names	Recommended name: Macrophage-capping protein Alternative name(s): Actin regulatory protein CAP-G
Expression Region	1-349
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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, but have not been fully described.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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