



# Recombinant Rat Macrophage-capping protein (Capg)

<b>Product Code</b>	CSB-MP738138RA
<b>Abbreviation</b>	Capg
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q6AYC4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MYTPIPQSGS PFPASVQDPG LHIWRVEKLG PVPIARENHG IFFSGDSYLV LHNGPEEASH LHLWIGQQSS RDEQGACAVL AVHLNLTLLGE RPVQHREVQG NESDLFMSYF PQGLKYREGG VESAFHKTTTST GTPPAIRKL YQVKGKKNIR ATERALSWDS FNTGDCFILD LGQNIFAWCG GKSNILERNK ARDLALAIRD SERQGKAQVE IITDGEEPAE MIQVLGPKPA LKEGNPEEDI TADQTNAQAA ALYKVS DATG QMNLTKVADS SPFASELLIP DDCFVLDNGL CGKIYIWKGR KANEKERQAA LQVADGFISR MRYSPTNTQVE ILPQGRESPI FKQFFKDWK
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Capg
<b>Protein Names</b>	Recommended name: Macrophage-capping protein Alternative name(s): Actin regulatory protein CAP-G
<b>Expression Region</b>	1-349
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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 <sup>2+</sup> 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.
<b>Reconstitution</b>	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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