



# Recombinant Rat F-actin-capping protein subunit alpha-1 (Capza1)

<b>Product Code</b>	CSB-EP004510RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	B2GUZ5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	ADFEDRVSD EEKVRIAAKF ITHAPPGEFN EVFNDVRLLL NNDNLLREGA AHAFAQYNMD QFTPVKIEGY DDQVLITEHG DLGNSRFLDP RNKISFKFDH LRKEASDPQP EDVDGGLKSW RDSCDSALRA YVKDHYSNGF CTVYAKTIDG QQTIIACIES HQFQPKNFWN GRWRSEWKFT ITPPTAQVVG VLKIQVHYE DGNVQLVSHK DVQDSVTVSN EVQTAKEFIK IIESAENEYQ TAISENYQTM SDTTFKALRR QLPVTRTKID WNKILSYKIG KEMQNA
<b>Source</b>	E.coli
<b>Target Names</b>	Capza1
<b>Protein Names</b>	Recommended name: F-actin-capping protein subunit alpha-1 Alternative name(s): CapZ alpha-1
<b>Expression Region</b>	2-286
<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 of Mature Protein
<b>Target Details</b>	CAPZA1 is a member of the F-actin capping protein alpha subunit family. This gene encodes the alpha subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments.
<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.
<b>Shelf Life</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.