Recombinant Rat Myristoylated alanine-rich C-kinase substrate (Marcks)

Product Code	CSB-BP013493RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P30009
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	GAQFSKTAA KGEAAAERPG EAAVASSPSK ANGQENGHVK VNGDASPAAA EPGAKEELQA NGSAPAADKE EPASGGAATP AAADKDEAAA APEPGAATAD KEAAEAEPAE PGSPSAETEG ASASSTSSPK AEDGAAPSPS SETPKKKKKR FSFKKSFKLS GFSFKKSKKE AGEGAEAEGA TADGAKDEAA AAAGGDAAAA PGEQAGGAGA EGAEGGESRE AEAAEPEQPE QPEQPAAEEP RAEEPSEAVG EKAEEPAPGA TADDAPSAAG PEQEAPAATD EPAASAAPSA SPEPQPECSP EAPPAPVAE
Source	Baculovirus
Target Names	Marcks
Protein Names	Recommended name: Myristoylated alanine-rich C-kinase substrate Short name= MARCKS Alternative name(s): Protein kinase C substrate 80 kDa protein
Expression Region	2-309
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 of Mature Protein
Target Details	This protein is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis.
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	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.