



Recombinant Rat A-kinase anchor protein 8 (Akap8)

Product Code	CSB-EP730871RA
Abbreviation	Akap8
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.	Q63014
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MEQSYGGYGA WSAGPANTQG TYGSGVASWQ GYENYSYNA QNTSVPTGTP YSYGPASWEA TKASDGGGLAA GSSAMHVASF APEPCTDNSD SLIAKINQRL DMLSKEGGRG GISSGGEGMQ DRDSSFRFQP YESYDSRPCM PEHTPYRPSY SYDYDFDLGT DRNGSFGGTF NDCRDPTPER GALDGFLRGR GQGRFQDRSN SSTFIRSDPF MPPSASSEPL STTWSELNYM GGRGLGGPST NRPPPSLFSQ SMAPDYSMMG MQGVGGFGGT MPYGCGRSQT RIRDWPRRRG FERFGPDNMG RKRKPFPLYE EPDAKLARAD SEGDLSEND GAGDLRSGDE EFRGEDDLCD SRKQRGEKED EDEDVKKRRE KQRRRDRMRD RAADRIQFAC SVCKFRSFED EEIQKHLQSK FHKETLRFIS TKLPDKTVEF LQEYIINRNK KIEKRRQELL EKESPKPKPD PFKGIGQEHF FKRIEAAHCL ACDMLIPAQH QLLQRHLHSV DHNHNRRLAA EQFKKTSLHV AKSVLNNKHI VKMLEKYLKG EDPFVNETAD LETEGDENLG EEKETPEEVA AEVLAEVITA AVKAVEGDGE PAAEHSDVLA EVEGPVDTAE AGSDSHTGKL LEEQT CETAS ETRN MEDMAR GEAAEARNEA AVPAAAAGSP VPVIAIPGIL EDELEQTDAE AKDTPTE
Source	E.coli
Target Names	Akap8
Protein Names	Recommended name: A-kinase anchor protein 8 Short name= AKAP-8 Alternative name(s): A-kinase anchor protein 95 kDa Short name= AKAP 95
Expression Region	1-687
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	The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations



within the cell. This gene encodes a member of the AKAP family. The encoded protein is located in the nucleus during interphase and is distinctly redistributed during mitosis. This protein has a cell cycle-dependent interaction with the RII subunit of PKA.

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.