



Recombinant Human A-kinase anchor protein 4 (AKAP4)

Product Code	CSB-YP702494HU
Abbreviation	AKAP4
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.	Q5JQC9
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p> QS PSAPPAKPPS TQRAVISPDG ECSIDDLSEFY VNRLSSLVIQ MAHKEIKEKL EGKSKCLHHS ICPSPGNKER ISPRTPASKI ASEMAYEAVE LTAAEMRGTG EESREGGQKS FLYSELSNKS KSGDKQMSQR ESKEFADSIS KGLMVYANQV ASDMMVSLMK TLKVHSSGKP IPASVVLKRV LLRHTKEIVS DLIDSCMKNL HNITGVLMTD SDFVSAVKRN LFNQWKQAT DIMEAMLKRL VSALIGEEKE TKSQSLSYAS LKAGSHDPKC RNQSLEFSTM KAEMKERDKG KMKSDPCKSL TSAEKVGEHI LKEGLTIWNQ KQGNSCKVAT KACSNKDEKG EKINASTDSL AKDLIVSALK LIQYHLTQQT KGKDTCEEDC PGSTMGYMAQ STQYEKCGGG QSAKALSVKQ LESHRAPGPS TCQKENQHLD SQKMDMSNIV LMLIQKLLNE NPFKCEDPCE GENKCSEPRA SKAASMSNRS DKAEEQCQEH QELDCTSGMK QANGQFIDKL VESVMKLCLI MAKYSNDGAA LAELEEQAAS ANKPNFRGTR CIHSGAMPQN YQDSLGHVEI VNNQCSTNSL QKQLQAVLQW IAASQFNVPM LYFMGDKDGQ LEKLPQVSAK AAEKGYSVGG LLQEVMKFAK ERQPDEAVGK VARKQLLDWL LANL </p>
Source	Yeast
Target Names	AKAP4
Protein Names	Recommended name: A-kinase anchor protein 4 Short name= AKAP-4 Alternative name(s): A-kinase anchor protein 82 kDa Short name= AKAP 82 Short name= hAKAP82 Major sperm fibrous sheath protein Short name= HI Protei
Expression Region	189-854
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	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 localized to the sperm flagellum and may be involved in the regulation of sperm motility. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

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.

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