



# Recombinant Human A-kinase anchor protein 4 (AKAP4)

<b>Product Code</b>	CSB-MP702494HU
<b>Abbreviation</b>	AKAP4
<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>	Q5JQC9
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<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 KGDTCCEEDC PGSTMGYMAQ STQYEKCGGG            QSAKALSVKQ LESHAPGPS TCQKENQHLD SQKMDMSNIV LMLIQKLLNE            NPFKCEDPCE GENKCSEPPA SKAASMSNRS DKAEEQCQEH            QELDCTSGMK QANGQFIDKL VESVMKLCI MAKYSNDGAA LAELEEQAAS            ANKPNFRGTR CIHSGAMPQN YQDSLGHVEI VNNQCSTNSL QKQLQAVLQW            IAASQFNVPM LYFMGDKDGQ LEKLPQVSAK AAEKGYVGG LLQEVMKFAK            ERQPDEAVGK VARKQLLDWL LANL         </p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	AKAP4
<b>Protein Names</b>	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
<b>Expression Region</b>	189-854
<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>	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.

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**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.

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**Shelf Life**

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