



Recombinant Human A-kinase anchor protein 4 (AKAP4)

Product Code	CSB-EP702494HU
Relevance	Major structural component of sperm fibrous sheath. Plays a role in sperm motility.
Abbreviation	Recombinant Human AKAP4 protein
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
Alias	A-kinase anchor protein 82 kDa Short name: AKAP 82 Short name: hAKAP82 Major sperm fibrous sheath protein Short name: HI Protein kinase A-anchoring protein 4 Short name: PRKA4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QSPSAPPAKPPSTQRAVISPDGECSDIDLSFYVNRSLVLIQMAHKEIKEKLEG KSKCLHHSICPSPGNKERISPRTPASKIASEMAYEAVELTAAEMRGTGEESRE GGQKSFLYSELSNKSQSGDKQMSQRESKEFADSISKGLMVYANQVASDMMV SLMKTLKVHSSGKPIPASVVLKRVLLRHTKEIVSDLIDSCMKNLHNITGVLMTDS DFVSAVKRNLFNQWKQNATDIMEAMLRVLSALIGEEKETKSQSLSYASLKAG SHDPKCRNQSLFSTMKAEMKERDKGKMKSDPCKSLTSAEKVGEHILKEGLTI WNQKQGNSCKVATKACSNKDEKGEKINASTDSLAKDLIVSALKLIQYHLTQQT KGKDTCEEDCPGSTMGYMAQSTQYEKCGGGQSAKALSVKQLESHRAPGPST CQKENQHLDSDQKMDMSNIVLMLIQKLLNENPFKCEDPCEGENKCSEPRASKA ASMSNRSDKAAEEQCQEHQELDCTSGMKQANGQFIDKLVESVMKLCLIMAKYS NDGAALAELEEQAASANKPNFRGTRCIHSGAMPQNYQDSLGHVIVNNQCST NSLQKQLQAVLQWIAASQFNVPMPLYFMGDKDGQLEKLPQVSAKAAEKGYSVG GLLQEVMMKFAKERQPDEAVGKVARKQLLDWLLANL
Research Area	Signal Transduction
Source	E.coli
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	189-854aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

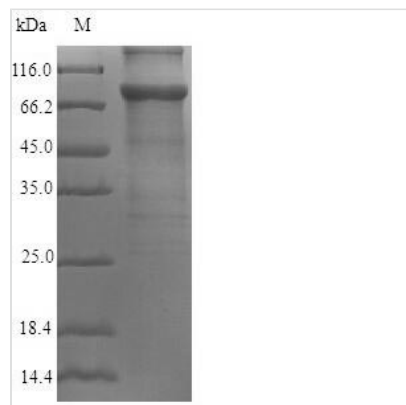
N-terminal 6xHis-tagged

Mol. Weight

77.3kDa

Protein Length

Full Length of Mature Protein

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.