

Recombinant Human AKAP4 Protein (189-854 aa), His-tagged

Cat. No. AKAP4-2072H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKAP4 Protein (189-854 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	189-854 aa
Description	Major structural component of sperm fibrous sheath. Plays a role in sperm motility.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.3 kDa
AA Sequence	QSPSAPPAKPPSTQRAVISPDGECSDIDLSFYVNRLSSLVIQMAHKEIKEKLEGKSKC LHHSICPSPGNKERISPRTPASKIASEMAYEAVELTAAEMRGTGEESREGGQKSFLY SELSNKS KSGDKQMSQRESKEFADSISKGLMVYANQVASDMMVSLMKT LKVHSSG KIPASVVLKRVLLRHTKEIVSDLIDSCMKNLHNITGVLMTDSD FVSAVKRNLFNQWK QNATDIMEAM LKRLVSALIGEEKETKSQSLSYASLKAGSHDPKCRNQSLFSTMKAE MKERDKGKMKSDPCKSLTSAEKVGEHILKEGLTIWNQKQGN SCKVATKACSNKDEK GEKINASTDSLAKDLIVSALKLIQYHLTQQTKGKDTCEEDCPGSTMGYMAQSTQYEK CGGGQSAKALSVKQLESHRAPGPSTCQKENQHLD SQKMDMSNIVLMLIQKLLNENP FKCEDPCEGENKCSEPRASKAASMSNRSDKAEEQCQE HQELDCTSGMKQANGQFI

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	DKLVESVMKLCLIMAKYSNDGAALAELEEQAASANKPNFRGTRCIHSGAMPQNYQD SLGHEVIVNNQCSTNSLQKQLQAVLQWIAASQFNVPMPLYFMGDKDGQLEKLPQVSA KAAEKGYSVGGLLQEVMMKFAKERQPDEAVGKVARQQLLDWLLANL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	AKAP4 A kinase (PRKA) anchor protein 4 [Homo sapiens]
Official Symbol	AKAP4
Synonyms	AKAP4; AKAP82; CT99; Fsc1; hAKAP82; HI; p82; FSC1; PRKA4; AKAP-4; AKAP 82;
Gene ID	8852
mRNA Refseq	NM_003886
Protein Refseq	NP_003877
MIM	300185

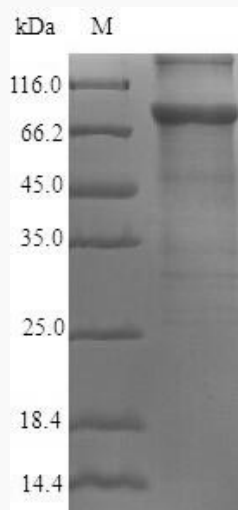
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UniProt ID

Q5JQC9



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

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