

Datasheet for ABIN7562699

AKAP3 Protein (AA 1-864) (His tag)



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Overview

Quantity:	1 mg
Target:	AKAP3
Protein Characteristics:	AA 1-864
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKAP3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Akap3 Protein expressed in mammalian cells.
Sequence:	<p>MADRVDWLQS QSGVCKVGVY SPGDNQHQDW KMDTSTDPVR VLSWLRKDLE KSTAGFQDSR</p> <p>FKPGESSFVE EVAYPVDQRK GFCVDYYNTT NKGSPGRLHF EMSHKENPSQ GLISHVGNGG</p> <p>SIDEVSFYAN RLTNLVIAMA RKEINEKIHG AENKCVHQSL YMGDEPTPHK SLSTVASELV</p> <p>NETVTACSKN ISSDKAPGSG DRASGSSQAP GLRYTSTLKI KESTKEGKCP DDKPGTKKSF</p> <p>FYKEVFESRN AGDAKEGGRS LPGDQKLFRT SPDNRPDDFS NSISQGIMTY ANSVVSDMMV</p> <p>SIMKTLKIQV KDTTIATILL KKVLMKHAKE VVSDLIDSFM KNLHGVTGSL MTDTFVSAV</p> <p>KRSFFSHGSQ KATDIMDAML GKLYNVMFAK KFPENIRRAR DKSESYSLIS TKSRAGDPKL</p> <p>SNLNFAMKSE SKLKENLFST CKLEKEKTCA ETLGEHIIKE GLHMWHKSQK KSPGLERAAK</p> <p>LGNAPQEVSF ECPDPCEANP PHQPQPPENF ANFMCDSDSW AKDLIVSALL LIQYHLAQGG</p> <p>KMDAQSFLEA AASTNFPTNK PPPPSPVVQD ECKLKSPPHK ICDQEQTTEK DLMSVIFNFI</p> <p>RNLLSETIFK SSRNCESNVH EQNTQEEIIH PCERP KTPCE RPITPPAPKF CEDEEATGGA</p> <p>LSGLTKMVAN QLDNCMNGQM VEHLMDSVMK LCLIIAKSCD SPLSELGEEK CGDASRPNSA</p>

Product Details

FPDNLYECLP VKGTGTAEAL LQNAYLTIHN ELRGLSGQPP EGCEIPKVIV SNHNLADTVQ
NKQLQAVLQW VAASELNVPI LYFAGDDEGI QEKLQLSAT AVEKGRSVGE VLQSVLRYEK
ERQLDEAVGN VTRLQLLDWL MANL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: AKAP3

Alternative Name: Akap3 ([AKAP3 Products](#))

Background: A-kinase anchor protein 3 (AKAP-3) (A-kinase anchor protein 110 kDa) (AKAP 110) (Protein kinase A-anchoring protein 3) (PRKA3),FUNCTION: Has a role in the maintenance of acrosome structure. May function as a regulator of both spermatozoa motility and head-associated functions such as capacitation and the acrosome reaction. {ECO:0000250|UniProtKB:O75969}.

Molecular Weight: 95.6 kDa

Target Details

UniProt: [O88987](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months