

Datasheet for ABIN7551938

## AKAP3 Protein (AA 1-853) (His tag)



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### Overview

Quantity:	1 mg
Target:	AKAP3
Protein Characteristics:	AA 1-853
Origin:	Human
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>MSEKVDWLQS QNGVCKVDVY SPGDNQAQDW KMDTSTDPVR VLSWLRRDLE KSTAEFQDVR</p> <p>FKPGESFGGE TSNSGDPHKG FSVDYYNTTT KGTPERLHFE MTHKEIPCQG PRAQLGNGSS</p> <p>VDEVSFYANR LTNLVIAMAR KEINEKIDGS ENKCVYQSLY MGNEPTPTKS LSKIASSELVN</p> <p>ETVSACSRNA APDKAPGSGD RVSGSSQSPP NLKYKSTLKI KESTKERQGP DDKPPSKKSF</p> <p>FYKEVFESRN GDYAREGGRF FPRERKRFRG QERPDDFTAS VSEGIMTYAN SVVSDMMVSI</p> <p>MKTLKIQVKD TTIATILLKK VLLKHAKEVV SDLIDSFLRN LHSVGTGLMT DTQFVSAVKR</p> <p>TVFSHGSQKA TDIMDAMLRK LYNVMFAKKV PEHVRKAQDK AESYSLISMK GMGDPKNNRV</p> <p>NFAMKSETKL REKMYSEPKS EEETCAKTLG EHIIKEGLTL WHKTQQKECK SLGFQHAAFE</p> <p>APNTQRKPAS DISFEYPEDI GNLSLPPYPP EKPFNFMYDS DSWAEDLIVS ALLLIQYHLA</p> <p>QGRRDARSF VEAAGTTNFP ANEPPVAPDE SCLKSAPIVG DQEQAEEKDL RSVFFNFIRN</p> <p>LLSETIFKRD QSPEPKVPEQ PVKEDRKLCE RPLASSPPRL YEDDETPGAL SGLTKMAVSQ</p> <p>IDGHMSGQMV EHLMNVMKL CVIIAKSCDA SLAELGDDKS GDASRLTSAF PDSLYECLPA</p>

## Product Details

KGTGSAEAVL QNAYQAIHNE MRGTSGQPPE GCAAPTIVVS NHNLTDTVQN KQLQAVLQWV  
AASELNPIL YFAGDDEGIQ EKLLQLSAAA VDKGCSVGEV LQSVLRYEKE RQLNEAVGNV  
TPLQLLDWLM VNL **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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 ( <a href="#">AKAP3 Products</a> )
Background:	<p>A-kinase anchor protein 3 (AKAP-3) (A-kinase anchor protein 110 kDa) (AKAP 110) (Cancer/testis antigen 82) (CT82) (Fibrous sheath protein of 95 kDa) (FSP95) (Fibrousheathin I) (Fibrousheathin-1) (Protein kinase A-anchoring protein 3) (PRKA3) (Sperm oocyte-binding protein),FUNCTION: Has a role in the maintenance of acrosome structure (PubMed:35228300). May function as a regulator of both spermatozoa motility and head-associated functions such as capacitation and the acrosome reaction. {ECO:0000269 PubMed:35228300}.</p>

## Target Details

Molecular Weight: 94.8 kDa

UniProt: [075969](#)

## 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