

Datasheet for ABIN7558223

AKAP7 Protein (AA 1-314) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	AKAP7
Protein Characteristics:	AA 1-314
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKAP7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Akap7 Protein expressed in mammalian cells.
Sequence:	MPFAAVDIQD DCGSPDVPQA NPKRSKEEEE DRGDKNDHVK KRKKAKKDYQ PNYFLSIPIT NKKITTGIKV LQNSILQQDK RLTKAMVGDG SFHITLLVMQ LLNEDEVNIG TDALLELKPF VEEILEGKHL ALPFQGIGTF QGQVGFVKLA DGDHVSALLE IAETAKRTFR EKGILAGESR TFKPHLTFMK LSKAPMLRKK GVRKIEPGLY EQFIDHRFGE ELLYQIDLCS MLKKKQSNQY YHCESSIVIG EKDRREPEDA ELVRLSKRLV ENAVLKAVQQ YLEETQNKKQ PGEGNSTKAE EGDRNGDGSD NNRK 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:

Product Details

- 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:	AKAP7
Alternative Name:	Akap7 (AKAP7 Products)
Background:	A-kinase anchor protein 7 isoform gamma (AKAP-7 isoform gamma) (A-kinase anchor protein 18) (AKAP-18) (Protein kinase A-anchoring protein 7 isoform gamma) (PRKA7 isoform gamma),FUNCTION: Probably targets cAMP-dependent protein kinase (PKA) to the cellular membrane or cytoskeletal structures. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium (By similarity). {ECO:0000250 UniProtKB:Q9P0M2, ECO:0000305}.
Molecular Weight:	35.5 kDa
UniProt:	Q7TN79

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.
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Application Details

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