

Datasheet for ABIN7564488

ADCY10 Protein (AA 1-1614) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ADCY10
Protein Characteristics:	AA 1-1614
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADCY10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Adcy10 Protein expressed in mammalien cells.
Sequence:	MSARRQELQD RAIVKIAAHL PDLIVYGDFS PERPSVKCFD GVLMFVDISG FTAMTEKFST AMYMDRGAEQ LVEILNYYIS AIVEKVLIFG GDILKFAGDA LLALWKVERK QLKNIITVVI KCSLEIHGLF EAKEAEEGLD IRVKIGLAAG HITMLVFGDE TRNYFLVIGQ AVDDVRLAQN MAQMNDVILS PNCWQLCDRS MIEIERIPDQ RAVKVSFLKP PPTFNFDEFF TKCMGFMDYY PSGDHKNFLR LACMLESDPE LELSLQKYVM EIILKQIDDK QLRGYLSELR PVTIVFVNLM FKEQDKVEVI GSAIQAACVH ITSVLKVFRG QINKVFMFDK GCSFLCVFGF PGEKAPDEIT HALESAVDIF DFCSQVHKIR TVSIGVASGI VFCGIVGHTV RHEYTVIGQK VNIAARMMMY YPGIVSCDSV TYDGSNLPAY FFKELPKKVM KGVADPGPVY QCLGLNEKVM FGMAYLICNR YEGYPLLGRV REIDYFMSTM KDFLMTNCSR VLMYEGLPGY GKSQVLMEIE YLASQHENHR AVAIALTKIS FHQNFYTIQI LMANVLGLDT CKHYKERQTN LQNRVKTLDD EKFHCLLNDI FHVQFPVSRE MSRMSKIRKQ KQLEALFMKI LAQTVREERI IFIIDEAQFV DGTSWAFIEK

LIRSMPIFIV MSLAPFSEVP CAAANAIMKN RNTTYITLGT MQPQEIRDKV CVDLSVSSIP
RELD SylVEG SCGIPYYCEE LLKNLDHHRV LLFQQAETEQ KTNVTWNNMF KHSVRPTDDM
QLFTSISEGQ KEVCYL VSGV RLNNLSPPAS LKEISLVQLD SMSLSHQMLV RCAAIIIGLTF
TTELLFEILP CWNMKMMIKA LATLVESNVF NCFRSSKDLQ LALKQNVPTF EVHYRSLALK
LKEGLTYGEE EELREMEGEV VECRILRFCR PIMQKTAYEL WLKDQKKVLH LKCARFLEES
AHRCNHCRNV DFIPYHHFIV DIRLNTLDMD TVKRMVTSQG FKIDEEEAIF SKSELPRKYK
FPENLSITEI REKILHFFDN VILKMKSSPN DIIPLESCQC KELLQIVILP LAQHFALEE NNKALYYFLE
LASAYLILGD NYNAYMYLGE GERLLKSLTN EDSWSQTFEY ATFYSLKAEV CFNMGQMVLA
KKMLRKALKL LNRMFPCNLL TLTFQMHVEK NRLSHFMNQH TQEGSVPGKK LAQLYLQASC
FSLRWRIYSL NFFFHYKYYG HLAAMMEMNT SLETQNDFQI IKAYLDFSLY HHLAGYQG VV
FKYEILVMEQ LLNLPLKGEA IEIMAYTADT LGHIKFLMGH LDLAIELGSR AHRMWSLLRN
PNKYQMVLCR LSKPLFLKSR YKHLVQVLGW LWDLSVTEED IFSKAFFYFV CLDIMLYSGF
IYRTFEECLE FIIHNEDNRI LKFQSGLLL LYSCIAVWYA RLQEWDFNFK FSDRAKHLVT
RRTPTVLYYE GISRYMEGQV LHLQKQIEEQ AENAQDSGVE ILKALET LVA QNTTGPVFYF
RLYHLMAYVC ILMGDGHSCD FFLNTALELS ETHGNLLEKC WLSMSKEWWY SASELTGDQW
LQTVLSLPSW DKIVSGKGGQ RKRSWSWFCP PNFSMVSWSQ PQCA **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.**

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, Western Blot

Product Details

Grade: custom-made

Target Details

Target: ADCY10

Alternative Name: Adcy10 ([ADCY10 Products](#))

Background: Adenylate cyclase type 10 (EC 4.6.1.1) (Germ cell soluble adenylyl cyclase) (sAC) (Testicular soluble adenylyl cyclase),FUNCTION: Catalyzes the formation of the signaling molecule cAMP. May function as sensor that mediates responses to changes in cellular bicarbonate and CO(2) levels (By similarity). Has a critical role in mammalian spermatogenesis by producing the cAMP which regulates cAMP-responsive nuclear factors indispensable for sperm maturation in the epididymis. Induces capacitation, the maturational process that sperm undergo prior to fertilization (PubMed:14976244, PubMed:16054031). Involved in ciliary beat regulation (By similarity). {ECO:0000250|UniProtKB:Q96PN6, ECO:0000269|PubMed:14976244, ECO:0000269|PubMed:16054031}.

Molecular Weight: 186.4 kDa

UniProt: [Q8C0T9](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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