

Datasheet for ABIN7552063

ADCY10 Protein (AA 1-1610) (His tag)[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | ADCY10 |
| Protein Characteristics: | AA 1-1610 |
| Origin: | Human |
| 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: | MNTPKEEFQD WPIVRIAHL PDLIVYGHFS PERPFMDYFD GVLMFVDISG FTAMTEKFSS AMYMDRGAEQ LVEILNYHIS AIVEKVLIFG GDILKFAGDA LLALWRVERK QLKNIITVVI KCSLEIHGLF ETQEWEGLD IRVKIGLAAG HISMLVFGDE TSHFLVIGQ AVDDVRLAQN MAQMNDVILS PNCWQLCDRS MIEIESVPDQ RAVKVNFLKP PPNFNFDEFF TKCTTFMHYY PSGEHKLLR LACTLKPDPPE LEMSLQKYVM ESILKQIDNK QLQGYLSELR PVTIVFVNLM FEDQDKAEI GPAIQDAYMH ITSVLKIFQG QINKVFMFDK GCSFLCVFGF PGEKVPDELT HALECAMDIF DFCSQVHKIQ TVSIGVASGI VFCGIVGHTV RHEYTVIGQK VNLAARMMMY YPGIVTCDSV TYNGSNLPAY FFKELPKKVM KGVADSGPLY QYWGRTEKVM FGMACLICNR KEDYPLLGRN KEINYFMYTM KKFLISNSSQ VLMYEGLPY GKSQILMKIE YLAQGKNHRI IAISLNKISF HQTFYTIQMF MANVLGLDTC KHYKERQTNL RNKVM TLLDE KFYCLLNDIF HVQFPISREI SRMSTLKKQK QLEILFMKIL KLIVKEERII FIIDEAQFVD STSWRFMEKL IRTLPIFIIM |

SLCPFVNIPC AAARAVIKNR NTTYIVIGAV QPNDISNKIC LDLNVSCISK ELDSYLGEES
CGIPFYCEEL LKNLEHHEVL VFQQTESEEK TNRTWNNLFK YSIKLTEKLN MVTLHSDKES
EEVCHLTSGV RLKNLSPPTS LKEISLIQLD SMRLSHQMLV RCAAIIGLTF TTELLFEILP
CWNMKMMIKT LATLVESNIF YCFRNGKELQ KALKQNDPSF EVHYRSLSLK PSEGMDHGEE
EQLRELENEV IECHRIRFCN PMMQKTAYEL WLKDQRKAMH LKCARFLEED AHRCDHCRGR
DFIPYHHFTV NIRLNALDMD AIKKMAMSHG FKTEEKLILS NSEIPETSAF FPENRSPEEI
REKILNFFDH VLTMKMKSDE DIIPLESCQC EEILEIVILP LAHHFLALGE NDKALYYFLE IASAYLIFCD
NYMAYMYLNE GQKLLKTLKK DKSWSQTFES ATFYSLKGEV CFNMGQIVLA KKMLRKALKL
LNRIFPYNLI SLFLHIHVEK NRHFHYVNRQ AQESPPPGKK RLAQLYRQTV CLSLLWRIYS
YSYLFHCKYY AHLAVMMQMN TALETQNCFQ IIKAYLDYSL YHHLAGYKGV WFKYEVMAAME
HIFNLPLKGE GIEIVAYVAE TLVFNKLIMG HLDLAIELGS RALQMWALLQ NPNRHYSQSLC
RLSRCLLNS RYPQLIQVLG RLWELSVTQE HIFSKAFFYF VCLDILLYSG FVYRTFEECL
EFIHQYENNR ILKFHSGLLL GLYSSVAIWY ARLQEWDNFY KFSNRAKNLL PRRTMTLTYY
DGISRYMEGQ VLHLQKQIKE QSENAQASGE ELLKNLENLV AQNTTGPVFC PRLYHLMAYV
CILMGDQKQC GLFLNTALRL SETQGNILEK CWLNMNKESW YSTSELKEDQ WLQTILSLPS
WEKIVAGRVN IQDLQKNKFL MRANTVDNHF **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) (AH-related protein) (Adenylate cyclase homolog) (Germ cell soluble adenylyl cyclase) (hsAC) (sAC) (Testicular soluble adenylyl cyclase),FUNCTION: Catalyzes the formation of the signaling molecule cAMP (PubMed:12609998, PubMed:15659711, PubMed:24616449, PubMed:25040695, PubMed:24567411). May function as sensor that mediates responses to changes in cellular bicarbonate and CO(2) levels (PubMed:15659711, PubMed:17591988). 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 (By similarity). Involved in ciliary beat regulation (PubMed:17591988). {ECO:0000250|UniProtKB:Q8C0T9, ECO:0000269|PubMed:15659711, ECO:0000269|PubMed:17591988, ECO:0000269|PubMed:24567411, ECO:0000269|PubMed:24616449, ECO:0000269|PubMed:25040695}.

Molecular Weight: 187.1 kDa

UniProt: [Q96PN6](#)

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.

Handling

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months