

Datasheet for ABIN7564798
ADCY4 Protein (AA 1-1077) (His tag)



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Overview

Quantity:	1 mg
Target:	ADCY4
Protein Characteristics:	AA 1-1077
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADCY4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Adcy4 Protein expressed in mammalien cells.
Sequence:	MARLFSPRPP PSEDLFYETY YLSLQQYPLL ILLLVIVLCA LVALPAVAWA SGRELTSDPS FLTTVLCALG GFSLLLGLAS REQQLQRWTR PLSGLIWVAL LALGYGFLFT GGVVSAWDQV SFFLFIIFTV YAMLP LGMRD AAAAGVISSL SHLLVLGLYL GWQPESQRAL LPQLAANA VLF CGNVVGAY HKALMERALR ATFREALSSL HSRRRLDTEK KHQEHLLLSI LPAYLAREMK AEIMARLQAG QRSRPENTNN FHSLYVKRHQ GVSPLYADIV GFTRLASECS PKELVLMMLNE LFGKFDQIAK EHECMRIKIL GDCYYCVSGL PLSLPDHAIN CVRMGLDMCR AIRKLRVATG VDINMRVGVH SGSVLCGVIG LQKWQYDVWS HDVTLANHME AGGVPGRVHI TGATLALLAG AYAVERADTE HRDPYLRELG EPTYLVIDPR AEEDEKGT A KGLLSLEGH TMRPSLLMTR YLESWGAAKP FAHLSHLDSP VSTSTPLPEK AFSPQWLSLR SRTPRGLDDE LDTGDAKFFQ VIEQLNSQKQ WKQSKDFNLL TLYFREKEME KQYRLSALPA FKYYAACTFL VFLSNFTIQM LVTRPPALI ITYSITFLLF FLLLFVCFSE HLT KCVQKGP KMLHWLPALS VLVATRPGFR

Product Details

VALGTATILL VFTMAIASLL FLPVSSDCLF LASNVSSVTF NASWEMPGSL PLISIPLISI
PYSMHCCVLG FLSCSLFLHM SFELKLLLLL LWLVASCSLF LSHAWLSDC LIARLYQSPS
DSRPGVLKEP KLMGAIYFFI FFFTLVLAR QNEYCRLDF LWKKKLRQER EETETMENLT
RLLLENVLPV HVAQFIGQN RRNEDLYHQS YECVCVLFAS VPDFKEFYSE SNINHEGLEC
LRLLENIAD FDELLSKPKF SGVEKIKTIG STYMAATGLN ATSGQDTQQD SERSCSHLGT
MVEFAVALGS KLGVINKHSF NNFRLRVGLN HGPVVAGVIG AQKPQYDIWG NTVNVASRME
STGVLGKIQV TEETARALQS LGYTCYSRGS IKVKKGELC TYFLNTDLTR TGSPSAS **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

Grade:

custom-made

Target Details

Target:

ADCY4

Alternative Name:

Adcy4 ([ADCY4 Products](#))

Background:

Adenylate cyclase type 4 (EC 4.6.1.1) (ATP pyrophosphate-lyase 4) (Adenylate cyclase type IV) (Adenylyl cyclase 4),FUNCTION: Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling. {ECO:0000250|UniProtKB:P26770}.

Target Details

Molecular Weight:	120.4 kDa
UniProt:	Q91WF3
Pathways:	EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Thyroid Hormone Synthesis , cAMP Metabolic Process , Myometrial Relaxation and Contraction , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma

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