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Datasheet for ABIN7563399

ADCY9 Protein (AA 1-1353) (His tag)

Overview

Quantity:	1 mg
Target:	ADCY9
Protein Characteristics:	AA 1-1353
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADCY9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Adcy9 Protein expressed in mammalian cells.
Sequence:	MASSPHQQLL HHHSTEVSCD SSGDSNSVRV KINPKQLSSN THPKHCKYSI SSSC SSSGDS GGLPRRVGGG GRLRRQKKLP QLFERASSRW WDPKFD SMNL EEACLERC FP QTQRRFRYAL FYVGFACLLW SIYFAVHMKS KVIVMVVPAL CFLVVCV GFF LFTFTKLYAR HYAWTSLALT LLVFALTLAA QFQVWTPLSG RVDSSNHTLT ATPADTCLSQ VGSF SICI EV LLLLYTVMQL PLYLSLFLGV VYSLVFETFG YHFRNEDCYP SPGPGALHWE LLSRALLHVC IHAIGIHLFV MSQVRSRSTF LKVGQSIMHG KDLEVEKALK ERMIH SVMPR IIADDLMKQG DEESENSVKR HATSSPKNRK KKSSIQKAPI AFRPFKMQQI EEVSILFADI VGFTKMSANK SAHALVGLLN DLFGRFDRLC EQTKCEKIST LGDCYYCVAG CPEPRADHAY CCIEMGLGMI KAIEQFCQEK KEMVNM RVGV HTGTVLGIL GMRRFKFDVW SNDVNLANLM EQLGVAGKVH ISEATAKYLD DRYEMEDGRV IERLGQSVVA DQLKGLKTYL ISGQRAKESH CSCAEALLSG FEVIDDSRES SGPRGQGTAS PGSVSDLAQT VKTFDNLKTC PSCGITFAPK SEAGAEGGT V QNGCQDEPKT

STKASGGPNS KTQNGLLSPP AEEKLTNSQT SLCEILQEKG RWAGVSLDQS ALLPLRFKNI
REKTD AHFVD VIKEDSLMKD YFFKPPINQF SLNFLDQELE RSYRTSYQEE VIKNSPVKTF
ASATFSSLLD VFLSTTVFLI LSITCFLKYG ATATPPPPAA LAVFGADLLL EVLSLIVSIR
MVFFLEDVMT CTKWLEWIA GWLPRHCIGA ILVSLPALAV YSHITSEFET NIHVTMFTGS
AVLVAVVHYC NFCQLSSWMR SSLATIVGAG LLLLLHISLC QDSSIVMSPL DSAQNFAQR
NPCNSSVLQD GRRPASLIGK ELILTFLLLL LLVWFLNREF EVSYRLHYHG DVEADLHRTK
IQSMRDQADW LLRNIIPIYHV AEQLKVSQTY SKNHDSGGVI FASIVNFSEF YEENYEGGKE
CYRVLNELIG DFDELLSKPD YNSIEKIKTI GATYMAASGL NTAQCQEGGH PQEHLRILFE
FAKEMMRVVD DFNNNMLWFN FKLRVGFNHG PLTAGVIGTT KLLYDIWGDT VNIASRMDTT
GVECRIQVSE ESYRVLSKMG YDFDYRGTVN VKGKGQMKTY LYPKCTDNGV VPQHQLSISP
DIRVQVDGSI GRSPTDEIAN LVPSVQYSDK ASLGSDDSTQ AKEARLSSKR SWREPVKAAE
RFPFGKAIEK DSCEDIGVEE ASELSKLNVS KSV **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: ADCY9

Target Details

Alternative Name:	Adcy9 (ADCY9 Products)
Background:	Adenylate cyclase type 9 (EC 4.6.1.1) (ATP pyrophosphate-lyase 9) (Adenylate cyclase type IX) (Adenylyl cyclase 9) (AC9) (Adenylyl cyclase type 10) (ACTP10),FUNCTION: Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein-coupled receptors. Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and by beta-adrenergic receptors. {ECO:0000250 UniProtKB:O60503, ECO:0000269 PubMed:8662814}.
Molecular Weight:	151.0 kDa
UniProt:	P51830
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