

Datasheet for ABIN7552007  
**ADCY9 Protein (AA 1-1353) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ADCY9
Protein Characteristics:	AA 1-1353
Origin:	Human
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:	MASPPHQQLL HHHSTEVSCD SSGDSNSVRV KINPKQLSSN SHPKHCKYSI SSSCSSSGDS GGVPRRVGGG GRLRRQKKLP QLFERASSRW WDPKFDSVNL EEACLERC FP QTQRRFRYAL FYIGFACLLW SIYFAVHMRS RLIVMVAPAL CLLVCVGGFF LFTFTKLYAR HYAWTSLALT LLVFALTLAA QFQVLTVPVSG RGDSSNLTAT ARPTDTCLSQ VGSFSMCIEV LFLLYTVMHL PLYLSLCLGV AYSVLFETFG YHFRDEACFP SPGAGALHWE LLSRGLLHGC IHAIGVHLFV MSQVRSRSTF LKVGQSIMHG KDLEVEKALK ERMIHSMVMPR IIADDLMKQG DEESENSVKR HATSSPKNRK KKSSIQKAPI AFRPFKMQQI EEVSILFADI VGFTKMSANK SAHALVGLLN DLFGRFDRLC EETKCEKIST LGDCYYCVAG CPEPRADHAY CCIEMGLGMI KAIEQFCQEK KEMVNMVRGV HTGTVLGGIL GMRRFKFDVW SNDVNLANLM EQLGVAGKVH ISEATAKYLD DRYEMEDGKV IERLGQSVVA DQLKGLKTYL ISGQRAKESR CSCAEALLSG FEVIDGSQVS SGPRGQGTAS SGNVSDLAQT VKTFDNLKTC PSCGITFAPK SEAGAEGGAP QNGCQDEHKN

STKASGGPNP KTQNGLLSPP QEEKLTNSQT SLCEILQEKG RWAGVSLDQS ALLPLRFKNI  
REKTD AHFVD VIKEDSLMKD YFFKPPINQF SLNFLDQELE RSYRTSYQEE VIKNSPVKTF  
ASPTFSSLLD VFLSTTVFLT LSTTCFLKYE AATVPPPPAA LAVFSAALLL EVLSLAVSIR  
MVFFLEDVMA CTKRLEWIA GWLPRHCIGA ILVSLPALAV YSHVTSEYET NIHFPVFTGS  
AALIAVVHYC NFCQLSSWMR SSLATVVGAG PLLLLYVSLC PDSSVLT SPL DAVQNFESSER  
NPCNSSVPRD LRRPASLIGQ EVVLVFFLLL LLWVFLNREF EVSYRLHYHG DVEADLHRTK  
IQSMRDQADW LLRNIIPIYHV AEQLKVSQTY SKNHDSGGVI FASIVNFSEF YEENYEGGKE  
CYRVLNELIG DFDELLSKPD YSSIEKIKTI GATYMAASGL NTAQAQDGSHPQEHLQILFE  
FAKEMMRVVD DFNNNMLWFN FKL RVGFNHG PLTAGVIGTT KLLYDIWGDT VNIASRMDTT  
GVECRIQVSE ESYRVL SKMG YDFDYRGTVN VKGKGQMKTY LYPKCTDHRV IPQHQLSISP  
DIRVQVDGSI GRSPTDEIAN LVPSVQYVDK TSLGSDSSTQ AKDAHLSPKR PWKEPVKAAE  
RGRFGKAI EK DDCDETGIEE ANELTKLNVS 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.**

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### 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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

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## Target Details

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Target: ADCY9

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## Target Details

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Alternative Name:	<a href="#">ADCY9 (ADCY9 Products)</a>
Background:	Adenylate cyclase type 9 (EC 4.6.1.1) (ATP pyrophosphate-lyase 9) (Adenylate cyclase type IX) (ACIX) (Adenylyl cyclase 9) (AC9),FUNCTION: Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein-coupled receptors (PubMed:9628827, PubMed:12972952, PubMed:15879435, PubMed:10987815). Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and beta-adrenergic receptors (PubMed:9628827). {ECO:0000269 PubMed:10987815, ECO:0000269 PubMed:12972952, ECO:0000269 PubMed:15879435, ECO:0000269 PubMed:9628827}.
Molecular Weight:	150.7 kDa
UniProt:	<a href="#">O60503</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Thyroid Hormone Synthesis</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a>

## Application Details

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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

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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