

Product Information

MemDX™ Membrane Protein Human ADCY9 (Adenylate cyclase 9) Full Length

Cat. No.: **MPC2495K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ADCY9 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ADCY9

Protein Length

Full length

Protein Class

Transporter

TMD

12

Sequence

MASPPHQQLHHHSTEVSCDSSGDSNSVRVKINPKQLSSNSHPKHCKYSI
SSSCSSSGDSSGGVPRRVGGGRLRRQKKLPQLFERASSRWWDPKFDSVNL
EEACLERCFPQTQRRFRYALFYIGFACLLWSIYFAVHMRSRLIVMVAPAL
CFLLCVGVFFLFTFTKLYARHYAWTSLALTLLVFALTLAAQFQVLTTPVSG
RGDSSNLTATARPTDTCLSQVGSFSMCIEVLFLLYTVMHLPLYLSLCLGV
AYSVLFETFGYHFRDEACFPSPGAGALHWELLSRGLLHGCIHAIGVHLFV
MSQVRSRSTFLKVGQSIMHGKDLEVEKALKERMIHSVMPRIIADDLMKQG
DEESENSVKRHATSSPKNRKKKSSIQKAPIAFRPFKMQQIEEVSIILFADI
VGFTKMSANKSAHALVGLLNDLFGRFDRLCEETKCEKISTLGDCYYCVAG
CPEPRADHAYCCIEMLGMIKAIQFCQEKEMVMNRVGVHTGTVLGIL
GMRRFKFDVWSNDVNLNLMELQGVAGKVHISEATAKYLDDRYEMEDGKV
IERLGQSVVADQLKGLKTYLISGQRAKESRCSAEALLSGFEVIDGSQVS
SGPRGQGTASSGNVSDLAQTVKTFDNLKTCPCGTFAPKSEAGAEGGAP
QNGCQDEHKNSTKASGGPNPKTQNGLLSPPQEEKLTNSQTSLEILQKEG
RWAGVSLDQSALLPLRFKNIREKTDHAFVDVIKEDSLMKDYFFKPPINQF
SLNFLDQELERSYRTSYQEEVIKNSPVKTFASPTFSSLLDVFLSTTVFLT
LSTTCFLKYEAATVPPPPAALAVFSAALLLEVLSLAVSIRMVFFLEDVMA
CTKRLEWIAGWLPRHCIGAILVSLPALAVYSHVTSEYETNIHFPVFTGS
AALIAVVHYCNFCQLSSWMRSSLATVVGAGPLLLLIVSLCPDSSVLTSP
DAVQNFSSERNPCNSSVPRDLRRPASLIGQEVVLVFFLLLLLVWFLNREF
EVSRYRLHYHGDVEADLHRTKIQSMRDQADWLLRNIIPYHVAEQLKVSQTY
SKNHDSGGVIFASIVNFSEFYEENYEGGKECYRVLNELIGDFDELLSKPD
YSSIEIKTIGATYMAASGLNTAQADGSHPQEHQILFEFAKEMMRVVD
DFNNNMLWFNFKLRVGFNHGPLTAGVIGTTKLLYDIWGDTVNIASRMDTT

GVECRIQVSEESYRVLSKMGYDFDYRGTVNVKKGQMKTYLYPKCTDHRV
IPQHQLSISPDIRVQVDGSIGRSPTDEIANLVPSVQYVDKTSLGSDSSTQ
AKDAHLSPKRPWKEPVKAEERGRFGKAIEKDDCDETGIEEANELTKLNVS
KSV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ADCY9

Full Name

Adenylate cyclase 9

Introduction

Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. It is regulated by a family of G protein-coupled receptors, protein kinases, and calcium. The type 9 adenylyl cyclase is a widely distributed adenylyl cyclase, and it is stimulated by beta-adrenergic receptor activation but is insensitive to forskolin, calcium, and somatostatin.

Alternative Names

ADCY9; AC9; ACIX; adenylate cyclase type 9; ATP pyrophosphate-lyase 9; adenylate cyclase type IX; adenylyl cyclase 9; type IX ATP pyrophosphate-lyase; Adenylate cyclase 9

Gene ID

[115](#)

UniProt ID

[O60503](#)