

Product Information

MemDX™ Membrane Protein Human ADCY8 (Adenylate cyclase 8) Full Length

Cat. No.: **MPC1852K**

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

This product is a 140.1 kDa Human ADCY8 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

ADCY8

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

140.1 kDa

TMD

12

Sequence

MELSDVRCLTGSEELYTIHPTPPAGDGRSASRPQRLWQTAVRHITEQRF
IHGHRGGSGSGSGSGKASDPAGGGPNHHAPQLSGDSALPLYSLGPGERA
HSTCGTKVFPERSGSGSASGSGGGGDLGFLHDCAPSNSDFFLNNGGYSYR
GVIFPTLRNSFKSRDLERLYQRYFLGQRRKSEVVMNVLDVLTCLLVLH
LSLASAPMDPLKGILLGFFTGIEVVICALVVVRKDTTSHTYLQYSGVVTW
VAMTTQILAAGLGYGLLDGIGYVLFATYSMLPLPLTWAILAGLGTS
LLQVILQVVIPLAVISINQVVAQAVLFMCMTAGIFISYLSDRAQRQAF
LETRRCVEARLRLETENQRQERLVLSVLPRFVVLEMINDMTNVEDEHLQH
QFHRIYIHYENVLSILFADVKGFTNLSTLSAQELVRMLNELFARFDRLA
HEHHCLRIKILGDCYYCVSGLPEPRQDHAHCCVEMGLSMIKTIRYVRSRT
KHDVDMRIGIHSGSVLCGLGRKWQFDVWSWDVDIANKLES GGIPGRIH
ISKATLDCLNGDYNVEEGHGKERNEFLRKHNITYLIKQPEDSLLSLPED
IVKESVSSDRRNSGATFTEGSWSPPELFPDNIVGKQNTLAALTRNSINLL
PNHLAQALHVQSGPEEINKRIEHTIDLRSGDKLRREHIKPFSLMFKDSSL
EHKYSQMRDEVFKSNLVCAFIVLLFITAIQSLLPSSRVMPMTIQFSILIM
LHSALVLITTAEDYKCLPLILRKTCCWINETYLARNVIFASILINFLGA
ILNILWCDFDKSIPLKNTFNSSAVFTDICSYPEYFVFTGVLAMVTCAVF
LRLNSVLKLA VLLIMIAIYALLTETVYAGLFLRYDNLNHSGEDFLGTKEV
SLLLMA MFLAVFYHGQQLLEYTARLDFLWRVQAKEEINEMKELREHNENM
LRNILPSHVARHFLEKDRDNEELYSQSYDAVGVMFASIPGFADFYSQTEM
NNQGV ECLRLN EIIADFDELLGEDRFQDIEIKITIGSTYMAVSGLSPEK

QQCEDKWGHLICALADFLALTESIQEINKHSFNNFELRIGISHGSVVAGV
IGAKKPQYDIWGKTVNLASRMDSTGVSGRIQVPEETYLILKDQGFAFDYR
GEIYVKGISEQEGKIKTYFLLGRVQPNPFILPPRRLPGQYSLAAVVLGLV
QSLNRQRQKQLLNENNNTGIIKGHYNRRTLLSPSGTEPGAQAEGTDKSDL
P

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

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

ADCY8

Full Name

Adenylate cyclase 8

Introduction

Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. The enzymatic activity is under the control of several hormones, and different polypeptides participate in the transduction of the signal from the receptor to the catalytic moiety. Stimulatory or inhibitory receptors (Rs and Ri) interact with G proteins (Gs and Gi) that exhibit GTPase activity and they modulate the activity of the catalytic subunit of the adenyl cyclase.

Alternative Names

ADCY8; AC8; ADCY3; HBAC1; adenylate cyclase type 8; ATP pyrophosphate-lyase 8; HEL-S-172mP; adenylate cyclase 8 (brain); adenylate cyclase type VIII; adenyl cyclase 8; adenyl cyclase-8, brain; ca(2+)/calmodulin-activated adenyl cyclase; epididymis secretory sperm binding protein Li 172mP; Adenylate cyclase 8

Gene ID

[114](#)

UniProt ID

[P40145](#)