

Product Information

MemDX™ Membrane Protein Human ADCY7 (Adenylate cyclase 7) Full Length

Cat. No.: **MPC2476K**

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

This product is a made-to-order Human ADCY7 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

ADCY7

Protein Length

Full length

Protein Class

Transporter

TMD

12

Sequence

MPAKGRYFLNEGEEGPDQDALYEKYQLTSQHGPLLLTLVVAAATACVALI
IIAFSQGDPSRHQAILGMAFLVLAVFAALSVLMYVECLLRWLRALALLT
WACLVALGYVLVFDWTKAACAWEQVPFFLFIVFVYTLFPFSMRGAVAV
GAVSTASHLLVLGSLMGGFTTPSVRVGLQLLANAVIFLCGNLTGAFHKHQ
MQDASRDLFTYTVKCIQIRKRLRIEKRQQENLLSVLPAHISMGMKLAI
ERLKEHGDRRCMPDNNFHSLYVKRHQNVSYADIVGFTQLASDCSPKEL
VVVLNELLFGKFDQIAKANECMRIKILGDCYYCVSGLPVSLPTHARNVCVKM
GLDMCQAIKQVREATGVDINMRVGIHSGNVLCGVIGLRKWQYDVVSHDVS
LANRMEAAGVPGRVHITEATLKHLDKAYEVEDGHGQQRDPYLKEMNIRTY
LVIDPRSQQPPPSQHLPRPKGDAALKMRASVRMTRYLESWGAARPFAHL
NHRESVSSGETHVPNGRRPKSVPQRHRRTPDRSMSPKGRSEDDSYDDEML
SAIEGLSSTRPCCSKSDDFYTFGSIFLEKGFEREYRLAPIPRARHDFACA
SLIFVCILLVHVLLMPRTAALGVSFGLVACVLGLVLGLCFATKFSRCCPA
RGTLCITISERVETQPLLRLTAVLTIGSLLTVAIINLPLMPFQVPELPVG
NETGLLAASSKTRALCELPYYTCSCVLGFIACSVFLRMSLEPKVLLTV
ALVAYLVLFNLSPCWQWDCCGQGLGNLTKPNGTTSCTPSCSWKDLKTMNTN
FYLVLFIYITLLTSRQIDYYCRLDCLWKKKFKKEHEEFETMENVNRLLE
NVLPAAHVAHFIDGKLNEDWYHQSYDCVCVMFASVPDFKVFYTECDVNKE
GLECLRLNIIADFDELLKPKFSGVEIKTIGSTYMAAAGLSVASGHE
NQELERQHAHIGVMVEFSIALMSKLDGINRHSFNSFRLRVGINHGPIAG
VIGARKPQYDIWGNTVNVASRMESTGELGKIQTTEETCTILQGLGYSCEC
RGLINVKGKELRTYFVCTDTAKFQGLGLN

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

ADCY7

Full Name

Adenylate cyclase 7

Introduction

This gene encodes a membrane-bound adenylate cyclase that catalyses the formation of cyclic AMP from ATP and is inhibitable by calcium. The product of this gene is a member of the adenylyl cyclase class-4/guanylyl cyclase enzyme family that is characterized by the presence of twelve membrane-spanning domains in its sequences. Several transcript variants have been observed for this gene, but the full-length natures of only two have been determined so far.

Alternative Names

ADCY7; AC7; adenylate cyclase type 7; ATP pyrophosphate-lyase 7; adenylate cyclase type VII; adenylyl cyclase 7; Adenylate cyclase 7

Gene ID

[113](#)

UniProt ID

[P51828](#)