

Product Information

MemDX™ Membrane Protein Human PKDREJ (Polycystin family receptor for egg jelly) Full Length

Cat. No.: **MPC2556K**

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

This product is a made-to-order Human PKDREJ 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

PKDREJ

Protein Length

Full length

Protein Class

Transporter; Ion channel

TMD

11

Sequence

MRPGPALLLLGVGLSLSVGRPLPPVPRGAQAAVSGAPGGLLRGAPGLGV
RGGRALLSLRPSAVRAGGAVLSGRGSLCFPHGGTGRRWYCLDLRVLLSAQ
RLPWPAPALALVDLQLSARGGRLSLTWSVRLPRSPGRLAWAFRLRLGP
GAARPASPAARVSPRSAAPGPRPQQGFVARTECPTDGPVRLQAVNSSS
HRAVESSVSCQINACVIQVRINTDQKGAPVRLSMQAEATINASVQLDCP
AARAIAQYWQVFSVPAVGQAPDWTQPLDLPQLEIRNSPLFIHIPNNSLQW
GVYVFNFTVSITGNPKMPEVKDSDAVYVWIVRSSLQAVMLGDANITANF
TEQLLDGSTSSDPDADSPQLGLQFFWYCTTDPRNYGGDRILGSKEVCH
PEQANLKWPAWASGPVLTLLPETLKGDHVVFFRMVIRKDSRTAFSDKRVHV
LQGPKAIAHITCIENCERNFIVSDRFSFLNCTNCASRDFYKWSILSSSG
GEMLFDWMGETVTGRNGAYLSIKAFARHFLEAEFSISLYLACWSGVTSV
FRHSFIINHGPQIGECKINPAKGIALITKFVVQCSNFRDKHVPLTYKIIV
SDLHSVGEISSVKENTLGTILYLG PQSTVPPSFLPVGMLASQYGLKIYAQ
VYDSLGAFSQVTLHATAQAPTDKNSSKTVLNQLLSFTVGPSSLLSTLIQK
KDFLPAGYLLYIVASVLNNMKTELPLRDDRVNLRKHLIDQSFLLPVSTLV
EIGQVVMITITKLTKPSEFTWDAQKRATMRVWQANQALQEYQQKDKRFRS
EQIEIVSTGILMSLSNLIKMTSPHQVVKDPFYVIESLSDTILANKVPGNK
TTSMTPTNPNFMYVKKVEKWGINQLFRNEKHCRNCFYPTLNSSVPGLSAN
GPISTMFCDFTNDLFPWLNDQENTSVEVSGFRMTGVADNGSVLEITPDVA
EVYLVVRKNLTFAAFNLTVGPNSEVDGSLKKTGGFSFQVDSTVLREVLVH
IVTEVMVLFVTLVYTGSIPTALVATFLVPHDIPPFASQSALFDPACTV
KKARVVCLPVSLQLIAQHSHPHCTVSIVLQAPRFVMKLNKLVRSIF

SVQCLDMYGIQSEWREGYCILGEKTSWYEVHCICKNVVRARRQLGTIGLT
GIHLHTHYVMAKVIVIPNPVDLRLNIIKSLHQNPVTLFTVLFIILLYVGL
AFWALYRDEMDQHLRGHVIVLPDNDPYDNLCTYLTIFTGSRWGSSTRANV
FVQLRGTVSTSDVHCLSHPHFTTLYRGSINTFLLTTKSDLGDIHSIRVWH
NNEGRSPSWYLSRIKVENLFSRHIWLFICQKWLSVDTTLDRTFHVTHPDE
RLTRKDFFFIDVSSNLKKNHMFWSIFASVVAKTFNRLQRLSCCLAMLLSS
LLCNIMFFNLNRQEQTESRERKYMRSMMIGIESVLITIPVQLLITFLFTC
SQRKPQADLKEVSPQKHPLMSEASEHWEEYLRKWHAYETAKVHPREVAKP
ASKGKPRLPKASPKATSKPKHRHRKAQIKTPETLGPNTNSNNNIEDDQDV
HSEQHPSQKDLQQLKKKPRIVLPWWCVYVAWFLVFATSSISSFFIVFYGL
TYGYDKSIEWLFAFCSFCQSVLLVQPSKIILLSGFRTNPKPKYCKNLSWS
TKYKYTEIRLDGMRMHPEEMQRIHDQIVRIRGTRMYQPLTEDEIRIFKRK
KRIKRRALLFLSYILTHFIFLALLLILVLLRHTDCFYNNQFIRDRFSMD
LATVTKLEDIYRWLNSVLLPLLHNDLNPTFLPESSSKILGLPLMRQVRAK
SSEKMCLPAEKFVQNSIRREIHCHPKYGIDPEDTKNYSGFVNEVDKQAI
ESTNGFTYKPGGTQWLYYSYGLLHTYSGGGYALYFFPEQQRFNSTLRLKE
LQESNWLDEKTWAVVLELTFNPDINLFCSSIVIFEVSQGLGVVNTSISLH
SFSLADFDKASAEIYLYVAILIFFLAYVVDEGCIIMQERASYVRSVYNL
LNFALKCIFTVLIVLFLRKHFLATGIIRFYLSNPEDFIPFHAVSQVDHIM
RIILGFLFLTLKTLRYSRFFYDVRLAQRAIQAALPGICHMAFVVSUYF
FVYMAFGYL VFGQHEWNYNSLIHSTQTVFSYCVSAFQNTFSNNRILGVL
FLSSFMLVMICVLINLFQAVILSAYEEMKQPVYEEPSDEVEAMTYLCRKL
RTMFSFLTQSQKAKDEPEFFIDMLYGQPEKNSHRYLGLKTRNINGKMMVY
LVV

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

PKDREJ

Full Name

Polycystin family receptor for egg jelly

Introduction

This intronless gene encodes a member of the polycystin protein family. The encoded protein contains 11 transmembrane domains, a receptor for egg jelly (REJ) domain, a G-protein-coupled receptor proteolytic site (GPS) domain, and a polycystin-1, lipoxigenase, alpha-toxin (PLAT) domain. This protein may play a role in human reproduction. Alternative splice variants have been described but their biological natures have not been determined.

Alternative Names

PKDREJ; PKD and REJ homolog; polycystic kidney disease (polycystin) and REJ homolog (sperm receptor for egg jelly homolog, sea urchin); polycystin (PKD) family receptor for egg jelly; Polycystin family receptor for egg jelly

Gene ID

[10343](#)

UniProt ID

[Q9NTG1](#)