

Product Information

MemDX™ Membrane Protein Human PIGG (Phosphatidylinositol glycan anchor biosynthesis class G) Full Length

Cat. No.: **MPC3799K**

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

This product is a made-to-order Human PIGG 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

PIGG

Protein Length

Full length

Protein Class

Transferase

TMD

12

Sequence

MRLGSGTFATCCVAIEVLGIAVFLRGFFPAPVRSSARAEGAEPPAPEPS
AGASSNWTTLPPLFSKVIVLIDALRDDFVFGSKGVKFMPTTYTLVEKG
ASHSFVAEAKPPTVTMPRIKALMTGSLPGFVDVIRNLNSPALLED SVIRQ
AKAAGKRIVFYGDETWWKLFPKHFVEYDGTTSFFVSDYTEVDNNVTRHLD
KVLKRGDWDILILHYLGLDHIGHISGPN SPLIGQKLSEMDSVLMKIHTSL
QSKERETPLPNLLVLCGDHGMSETGSHGASSTEEVNTPLLISSAFERKP
GDIRHPKHVQQT DVAATLAIALGLPIPKDSVGSLLFPVVEGRPMREQ LRF
LHLNTVQLSKLLQENVPSYEKDPGFQFKMSERLHGNWIRLYLEEKHSEV
LFNLGSKVLRQYLDALKTSLSLSAQVAQYDIYSMMVGT VVVLEVL TLLL
LSVPQALRRKAELEVPLSSPGFSLLFYL VILVLSAVHVIVCTSAESSCYF
CGLSWLAAGGVMVLASALLCVIVSVLTNVLVGGNTPRKNPMHPSSRWSEL
DLLILLGTAGHVLSLGASSFVEEEHQ TWYFLVNTLCLALSQETYRNYFLG
DDGEPPCGLCVEQGHGATAAWQDGP GCDVLERDKGHGSPSTSEVLRGRE
KWMVLASPWLIACCRLRLSNQTGVQWAHRPDLGHWLTSSDHKAELSVL
AALSLLVVFVLVQRGCSPVSKAALALGLLGVCYRAAIGSVRFPWRPDSK
DISKGIIEARFVYVFLGILFTGTDLLKSQVIAADFKLKT VGLWEIYSG
LVLLAALLFRPHNLPVLAFLLIQTLMTKFIWKPLRHDAAEITVMHYWFG
QAFFYFQGNSNNIATVDISAGFVGLD TYVEIPAVLLTAFGTYAGPVLWAS
HLVHFLSSETRSGSALSHACFCYALICSIPVFTYIVLVTSLRYHLFIWSV
FSPKLLYEGMHLLITAACVFF TAMDQTRLTQS

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

PIGG

Full Name

Phosphatidylinositol glycan anchor biosynthesis class G

Introduction

This gene encodes an enzyme involved in glycosylphosphatidylinositol-anchor biosynthesis. The encoded protein, which is localized to the endoplasmic reticulum, is involved in transferring ethanolamine phosphate to mannose 2 of glycosylphosphatidylinositol species H7 to form species H8. Allelic variants of this gene have been associated with intellectual disability, hypotonia, and early-onset seizures. Alternative splicing results in multiple transcript variants.

Alternative Names

PIGG; GPI7; LAS21; MRT53; PRO4405; RLGS1930; GPI ethanolamine phosphate transferase 2; phosphatidylinositol-glycan biosynthesis class G protein; Phosphatidylinositol glycan anchor biosynthesis class G

Gene ID

[54872](#)

UniProt ID

[Q5H8A4](#)