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Product Information

MemDX™ Membrane Protein Human PIGZ (Phosphatidylinositol glycan anchor biosynthesis class Z) Full Length

Cat. No.: **MPC4165K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human PIGZ 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
PIGZ

Protein Length
Full length

Protein Class
Transferase

TMD
8

Sequence
MQICGSSVASVAAGTSFQVLGPVCWQQLDLKMAVRVLWGGLSLLRVLWCL
LPQTGYVHPDEFFQSPEVMAEDILGVQAARPWEFYPSSSCRSVLFPLLIS
GSTFWLLRLWEELGPWPGLVSGYALLVGPRLLLTALSFALDGAVYHLAPP
MGADRWNALALLSGSYVTLVFYTRTFSNTIEGLLFTWLLVLVSSHVTWGP
TRKEPAPGPRWRSWLLGGIVAAGFFNRPTFLAFAVVPLYLWGTRGATNPG
LKSLTREALVLLPGAALTAAVFVATDSWYFSSPATSRNLVLTPVNFLHYN
LNPQNLARHGTHARLTHLAVNGFLLFGVLHAQALQAAWQRLQVGLQASAQ
MGLLRALGARSLLSSPRSYLLLLYFMPLALLSAFSHQEARFLIPLLVPLV
LLCSPQTQPVPWKGTVVLFNALGALLFGCLHQGGLVPGLEYLEQVVHAPV
LPSTPTHYTLLFTHTYMPPRHLLHLPGLGAPVEVVDMGGTEDWALCQTLK
SFTRQPACQVAGGPWLCRLFVVTPGTTRRAVEKCSFPFKNETLLFPHLTL
EDPPALSSLLSGAWRDHLSLHIVELGEET

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

PIGZ

Full Name

Phosphatidylinositol glycan anchor biosynthesis class Z

Introduction

The glycosylphosphatidylinositol (GPI) anchor is a glycolipid found on many blood cells that serves to anchor proteins to the cell surface. This gene encodes a protein that is localized to the endoplasmic reticulum, and is involved in GPI anchor biosynthesis. As shown for the yeast homolog, which is a member of a family of dolichol-phosphate-mannose (Dol-P-Man)-dependent mannosyltransferases, this protein can also add a side-branching fourth mannose to GPI precursors during the assembly of GPI anchors.

Alternative Names

PIGZ; SMP3; PIG-Z; GPI-MT-IV; GPI mannosyltransferase 4; GPI mannosyltransferase IV; SMP3 mannosyltransferase; dol-P-Man dependent GPI mannosyltransferase; phosphatidylinositol glycan, class Z; phosphatidylinositol-glycan biosynthesis class Z protein; Phosphatidylinositol glycan anchor biosynthesis class Z

Gene ID

80235

UniProt ID

Q86VD9