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Product Information

MemDX™ Membrane Protein Human PIGM (Phosphatidylinositol glycan anchor biosynthesis class M) Full Length

Cat. No.: **MPC2977K**
This product is for research use only and is not intended for diagnostic use.

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

Protein Length
Full length

Protein Class
Transferase

TMD
10

Sequence
MGSTKHWGEWLLNLKVAPAGVFGVAFLARVALVFYGVFQDRTLHVRYTDI
DYQVFTDAARFVTEGRSPYLRATYRYTPLLGWLLTPNIYLSELFGKFLFI
SCDLLTAFLLYRLLLLKGLGRRQACGYCVFWLLNPLPMAVSSRGNADSIV
ASLVLMVLYLIKKRLVACAAVFYGFAVHMKIYPVTYILPITLHLLPDRDN
DKSLRQFRYTFQACLYELLKRLCNRAVLLFVAVAGLTFFALSFGFYYEYG
WEFLEHTYFYHLTRRDIRHNFSPYFYMLYLTAESKWSFSLGIAAFLPQLI
LLSAVSFAYYRDLVFCCFLHTSIFVTFNKVCTSQYFLWYLCLLPLVMPLV
RMPWKRAVVLLMLWFIGQAMWLAPAYVLEFQGKNTFLFIWLAGLFFLLIN
CSILIQIISHYKEEPLTERIKYD

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

PIGM

Full Name

Phosphatidylinositol glycan anchor biosynthesis class M

Introduction

This gene encodes a transmembrane protein that is located in the endoplasmic reticulum and is involved in GPI-anchor biosynthesis. The glycosylphosphatidylinositol (GPI)-anchor is a glycolipid which contains three mannose molecules in its core backbone. The GPI-anchor is found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes a mannosyltransferase, GPI-MT-I, that transfers the first mannose to GPI on the lumenal side of the endoplasmic reticulum.

Alternative Names

PIGM; GPI-MT-I; GPI mannosyltransferase 1; DPM:GlcN-(acyl-)PI mannosyltransferase; GPI mannosyltransferase I; PIG-M mannosyltransferase; dol-P-Man dependent GPI mannosyltransferase; phosphatidylinositol-glycan biosynthesis class M protein; Phosphatidylinositol glycan anchor biosynthesis class M

Gene ID

93183

UniProt ID

Q9H3S5

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