

Product Information

MemDX™ Membrane Protein Human PIGN (Phosphatidylinositol glycan anchor biosynthesis class N) Full Length

Cat. No.: **MPC4501K**

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

This product is a made-to-order Human PIGN 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

PIGN

Protein Length

Full length

Protein Class

Transferase

TMD

15

Sequence

MLLFFTLGLLIHFVFFASIFDIYFTSPLVHGMPQFTPLPPPARRLVLFV
ADGLRADALYELDENGNSRAPFIRNIIMHEGSGWISHTRVPTESRPGHVA
LIAGFYEDVSAVAKGWKENPVEFDSLFNESKYTWSWGSPDILPMFAKGAS
GDHVYTYSDAKREDFGAQDATKLDTWVFDNVKDFHHARNNQSLFSKIN
EEKIVFFLHLLGIDTNGHAHRPSSRDYKHNIKKVDDGVKEIVSMFNHFYG
NDGKTTFTSDHGMTDWGSHGAGHPSETLTPLVTWGAGIKYPQRVSAQQ
FDDAFLKEWRLNWKRLDVNQADIAPLMTSLIGVPFPLNSVGILPVDYLN
NTDLFKAESMFTNAVQILEQFKVKMTQKKEVTLPLFTPFKLLSDSKQFN
ILRKARSYIKHRKFDEVVSLCKELIHLALKGLSYYHTYDRFFLGVNVIIG
FVGWISYASLLIHKSHSNLIKGSKEVKKPSHLLPCSFVAIGILVAFFLL
IQACPWTYYYVYGLLPLPIWYAVLREFQVIQDLVSVLTYPLSHFVGYLLA
FTLGIEVLVLSFFYRYMLTAGLTAFAAWPFLTRLWTRAKMTSLSWTFFSL
LLAVFPLMPVVGKRPDISLVMGAGLLVLLSLCVVTSMLMKRKDSFIKEEL
LVHLLQVLSTVLSMYVVYSTQSSLLRKQGLPLMNQIISWATLASSLVVPL
LSSPVLQRLFSILLSLMSTYLLLSTGYEALFPLVLSCLMFVWINIEQET
LQQSGVCCCKQKLTSIQFSYNTDITQFRQLYLDIRRAFFLVFFLVTAFFG
TGNIASINSFDLASVYCFLTVPFMMGALMMWKILIPFVLVMCAFEAVQ
LTTQLSSKSLFLIVLISDIMALHFFFLVKDYGSWLDIGTSISHYVIVMS
MTIFLVFLNGLAQLLTTKKLRLCGKPKSHFM

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

PIGN

Full Name

Phosphatidylinositol glycan anchor biosynthesis class N

Introduction

This gene encodes a protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This protein is expressed in the endoplasmic reticulum and transfers phosphoethanolamine (EtNP) to the first mannose of the GPI anchor. Two alternatively spliced variants, which encode an identical isoform, have been reported.

Alternative Names

PIGN; MCD4; MDC4; MCAHS; PIG-N; MCAHS1; GPI ethanolamine phosphate transferase 1; MCD4 homolog; phosphatidylinositol-glycan biosynthesis class N protein; Phosphatidylinositol glycan anchor biosynthesis class N

Gene ID

[23556](#)

UniProt ID

[O95427](#)