

# Product Information

## MemDX™ Membrane Protein Human PORCN (Porcupine O-acyltransferase) Full Length

Cat. No.: **MPC3014K**

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

This product is a made-to-order Human PORCN 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

PORCN

#### Protein Length

Full length

#### Protein Class

Transferase

#### TMD

8

#### Sequence

MATFSRQEQQQLLQGCLLPTAQQGLDQIWLLAICLACRLLWRLGLPSY  
LKHAStVAGGFFSLYHFFQLHMVVVLLSLLCYLVFLCRHSSHRGVFLS  
VTILYLLMGEMHMVDTVTWHKMRGAQMIVAMKAVSLGFDLDRGEVGTV  
SPVEFMGYLYFVGTIVFGPWISFHSYLVQAVQGRPLSCRWLQKVARSLALA  
LLCLVLSTCVGPYLFYFPIPLNGDRLLRNKKRKARGTMVRWLRAYESAVS  
FHFSNYFVGFLSEATATLAGAGFTEEKDHLEWDLTVSKPLNVELPRSMVE  
VVTSWNLPMWSYWLNNYVFKNALRLGTFSAVLVTYAAASALLHGFSFHAAV  
LLSLAFITYVEHVLRKRLARILSACVLSKRCPPDCSHQHRLGLGVRALNL  
LFGALAIFHLAYLGSLFVDVDDTTEEQGYGMAYTVHKWSELSWASHWVT  
FGCWIFYRLIG

### 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**

PORCN

**Full Name**

Porcupine O-acyltransferase

**Introduction**

This gene belongs to the evolutionarily conserved porcupine (Porc) gene family. Genes of the porcupine family encode endoplasmic reticulum proteins with multiple transmembrane domains. Porcupine proteins are involved in the processing of Wnt (wingless and int homologue) proteins. Disruption of this gene is associated with focal dermal hypoplasia, and the encoded protein has been implicated in cancer. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.

**Alternative Names**

PORCN; PPN; DHOF; FODH; MG61; PORC; protein-serine O-palmitoleoyltransferase porcupine; porcupine homolog; probable protein-cysteine N-palmitoyltransferase porcupine; Porcupine O-acyltransferase

**Gene ID**

[64840](#)

**UniProt ID**

[Q9H237](#)