

Product Information

MemDX™ Membrane Protein Human PEX12 (Peroxisomal biogenesis factor 12) Full Length

Cat. No.: **MPC4146K**

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

This product is a made-to-order Human PEX12 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

PEX12

Protein Length

Full length

Protein Class

Receptor

TMD

2

Sequence

MAEHGAHFTAASVADDQPSIFEVVAQDSLMTAVRPALQHVVKVLAESNPT
HYGFLWRWFDEIFTLLDLLLQQHYLSRTSASFSENFYGLKRIVMGDTHKS
QRLASAGLPKQQLWKSIMFLVLLPYLKVKLEKLVSSLREEDEYSIHPPSS
RWKRFYRAFLAAYPFVNMAWEGWFLVQQLRYILGKAQHHSPLRLAGVQL
GRLTVQDIQALEHKPAKASMMQQPARSVSEKINSALKKAVGGVALSLSTG
LSVGVFLLQFLDWWYSSSENQETIKSLTALPTPPPPVHLDYNSDSPLLPKM
KTVCPLCRKTRVNDTVLATSGYVFCYRCVHFHYVRSHQACPITGYPTVQH
LIKLYSPEN

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**

PEX12

Full Name

Peroxisomal biogenesis factor 12

Introduction

This gene belongs to the peroxin-12 family. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of Zellweger syndrome (ZWS).

Alternative Names

PEX12; PAF-3; PBD3A; peroxisome assembly protein 12; peroxin 12; peroxisome assembly factor 3; Peroxisomal biogenesis factor 12

Gene ID

[5193](#)

UniProt ID

[O00623](#)