

Product Information

MemDX™ Membrane Protein Human PET100 (PET100 cytochrome c oxidase chaperone) Full Length

Cat. No.: **MPC1435K**

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

This product is a 9.1 kDa Human PET100 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

PET100

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

9.1 kDa

TMD

1

Sequence

MGVKLEIFRMIYLTFPVAMFWVSNQAEWFEDDVIQRKRELWPPEKLQEI
EEFKERLRKRREEKLLRDAQQNS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PET100

Full Name

PET100 cytochrome c oxidase chaperone

Introduction

Mitochondrial complex IV, or cytochrome c oxidase, is a large transmembrane protein complex that is part of the respiratory electron transport chain of mitochondria. The small protein encoded by this gene plays a role in the biogenesis of mitochondrial complex IV. This protein localizes to the inner mitochondrial membrane and is exposed to the intermembrane space. Mutations in this gene are associated with mitochondrial complex IV deficiency. This gene has a pseudogene on chromosome 3. Alternative splicing results in multiple transcript variants.

Alternative Names

PET100; MC4DN12; C19orf79; protein PET100 homolog, mitochondrial; PET100 homolog; PET100 cytochrome c oxidase chaperone

Gene ID

[100131801](#)

UniProt ID

[P0DJ07](#)