

Product Information

MemDX™ Membrane Protein Human CYB5A (Cytochrome b5 type A) Full Length

Cat. No.: **MPC2544K**

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

This product is a made-to-order Human CYB5A 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

CYB5A

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MAEQSDEAVKYYTLEEIQKHNSKSTWLILHHKVYDLTKFLEEHPGGEEV
LREQAGGDATENFEDVGHSTDAREMSKTFIIGELHPDDRPKLNKPPETLI
TTIDSSSSWWTNWWIPAISAVAVALMYRLYMAED

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

CYB5A

Full Name

Cytochrome b5 type A

Introduction

The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CYB5A; CYB5; MCB5; METAG; cytochrome b5; cytochrome b5 type A (microsomal); epididymis secretory sperm binding protein; type 1 cyt-b5; Cytochrome b5 type A

Gene ID

[1528](#)

UniProt ID

[P00167](#)