

Product Information

MemDX™ Membrane Protein Human CYBRD1 (Cytochrome b reductase 1) Full Length

Cat. No.: **MPC2236K**

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

This product is a 31.6 kDa Human CYBRD1 membrane protein expressed in *E.coli*. 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

CYBRD1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

31.6 kDa

TMD

6

Sequence

MAMEGYWRFLALLGSALLVGFLSVIFALVWVLHYREGLGWDGSALEFNWH
PVLMTGTFVFIQGIIVYRLPWTWKCSKLLMKSIHAGLNAVAAILAIS
VVAVFENHNVNNIANMYSLSWVGLIAVICYLLQLLSGFVSFLLPWAPLS
LRAFLMPIHVYSGIVIFGTVIATALMGLTEKLIFSLRDPAYSTFPPEGVF
VNTLGLLILVFGALIFWIVTRPQWKRPKEPNSTILHPNGGTEQGARGSMP
AYSGNNMDKSDSELNSEVAARKRNLALDEAGQRSTM

Product Description

Expression Systems

E.coli

Tag

6xHis tag at the C-terminus

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 -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CYBRD1

Full Name

Cytochrome b reductase 1

Introduction

This gene is a member of the cytochrome b(561) family that encodes an iron-regulated protein. It highly expressed in the duodenal brush border membrane. It has ferric reductase activity and is believed to play a physiological role in dietary iron absorption.

Alternative Names

CYBRD1; DCYTB; FRRS3; CYB561A2; plasma membrane ascorbate-dependent reductase CYBRD1; cytochrome b561 family, member A2; duodenal cytochrome b; ferric-chelate reductase 3; Cytochrome b reductase 1

Gene ID

[79901](#)

UniProt ID

[Q53TN4](#)