

Product Information

MemDX™ Membrane Protein Human ATP4B (ATPase H⁺/K⁺ transporting subunit beta) Full Length

Cat. No.: **MPC2557K**

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

This product is a made-to-order Human ATP4B 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

ATP4B

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MAALQEKKTCGQRMEEFQRYCWNPD TGQMLGRTL SRVWVWISLYYVAFYVV
MTGLFALCLYVLMQTVDPYTPDYQDQLRSPGVTLRPDVYGEKGLEIVYNV
SDNRTWADLTQTLHAFLAGYSPAAQEDSINCTSEQYFFQESFRAPNHTKF
SCKFTADMLQNCSGLADPNFGFEEGKPCFIKMNRIKFLPSNGSAPRVD
CAFLDQPRELGQPLQVKYYPNGTFS LHYFPYYGKKAQPHYSNPLVAAKL
LNIPRNAEVAIVCKVMAEHVTFNNPHDPYEGKVEFKLIEK

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**

ATP4B

Full Name

ATPase H⁺/K⁺ transporting subunit beta

Introduction

The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H⁺, K⁺-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H⁽⁺⁾ and K⁽⁺⁾ ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H⁺, K⁺-ATPase.

Alternative Names

ATP4B; ATP6B; potassium-transporting ATPase subunit beta; ATPase H⁺/K⁺ transporting beta subunit; ATPase, H⁺/K⁺ exchanging, beta polypeptide; ATPase, H⁺/K⁺ transporting, beta polypeptide; gastric H⁽⁺⁾/K⁽⁺⁾ ATPase subunit beta; gastric H⁺/K⁺ ATPase beta subunit; gastric hydrogen-potassium ATPase, beta; potassium-transporting ATPase beta chain; proton pump beta chain; ATPase H⁺/K⁺ transporting subunit beta

Gene ID

[496](#)

UniProt ID

[P51164](#)