

Product Information

MemDX™ Membrane Protein Human ADRB1 (Adrenoceptor beta 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX0905K**

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

This product is a Human ADRB1 membrane protein expressed *in vitro* *E.coli* expression system. 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

ADRB1

Protein Length

Full Length

Protein Class

GPCR

Molecular Weight

57.4 kDa

TMD

7

Sequence

MGAGVLVLGASEPGNLSSAAPLPDGAATAARLLVPASPPASLLPPASESPEPLSQQWTAGMGLLMALIVLLVAGNVLVIVIAKTPR

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute protein in deionized sterile water

Purity

>85% as determined by SDS-PAGE.

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

ADRB1

Full Name

Adrenoceptor beta 1

Introduction

The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Beta-1 adrenoceptors are predominately located in the heart. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure.

Alternative Names

ADRB1; RHR; B1AR; FNSS2; ADRB1R; BETA1AR; beta-1 adrenergic receptor; adrenergic, beta-1-, receptor; beta-1 adrenoceptor; beta-1 adrenoreceptor; Adrenoceptor beta 1

Gene ID

[153](#)

UniProt ID

[P08588](#)