

Product Information

MemDX™ Membrane Protein Human ADRB1 (Adrenoceptor beta 1) Full Length

Cat. No.: **MPC0031K**

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

This product is a 51.3 kDa Human ADRB1 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

ADRB1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

51.3 kDa

TMD

7

Sequence

MGAGVLVLGASEPGNLSSAAPLPDGAATAARLLVPASPPASLLPPASESP
EPLSQQWTAGMGLLMALIVLLIVAGNVLVIVAIKTPRLQTLTNLFIMSL
ASADLVMGLLVVPFGATIVVWGRWEYGSFFCELWTSVDVLCVTASIELTC
VIALDRYLAI TSPFRYQSLLTRARAGLVCTVWALSALVSFLPILMHWWR
AESDEARRCYNDPKCCDFVTNRAYAIASSVVSFYVPLCIMAFVYLRVFRE
AQKQVKKIDSCERRFLGGPARPPSPSPSPVPAPAPPPGPPRPA AAAATAP
LANGRAGKRPSRLVALREQKALKTLGIIMGVFTLCWLPFFLANVVKAFH
RELVPDRLFVFFNWLG YANS AFNPIIYCRSPDFRKAFQRLCCARRARR
RHATHGDRPRASGCLARPGPPSPGAASDDDDDDVVGATPPARLLEPWAG
CNGGAAADS DSSLDEPCRPGFA SESKV

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

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

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

Gene ID

[153](#)

UniProt ID

[P08588](#)