

# Product Information

## **MemDX™ Membrane Protein Human ADRB1 (Adrenoceptor beta 1) Expressed in Yeast with 6xHis tag at the N-terminus for Antibody Discovery, Partial (378-477aa)**

Cat. No.: **MPX4399K**

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

This product is a 12.5kDa Human ADRB1 membrane protein expressed in Yeast. 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

Partial (378-477aa)

#### Protein Class

GPCR

#### Molecular Weight

12.5kDa

#### TMD

7

#### Sequence

CRSPDFRKAFQRLCCARRAARRRHATHGDRPRASGCLARPGPPSPGAASDDDDDDVVGATPPARLLEPWAGCNGGAAADSD

### Product Description

#### Expression Systems

Yeast

#### Tag

6xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% glycerol

**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](#)