

Product Information

MemDX™ Membrane Protein Human AGTR1 (Angiotensin II receptor type 1) Expressed in Yeast with 6xHis tag at the N-terminus for Antibody Discovery, Partial (297-359aa)

Cat. No.: **MPX4346K**

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

This product is a 9.2kDa Human AGTR1 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

AGTR1

Protein Length

Partial (297-359aa)

Protein Class

GPCR

Molecular Weight

9.2kDa

TMD

7

Sequence

LNPLFYGFLGKKFKRYFLQLLKYIPPKAKSHSNLSTKMSTLSYRPSDNVSSSTKKPAPCFEVE

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**

AGTR1

Full Name

Angiotensin II receptor type 1

Introduction

Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now believed that there is only one type 1 receptor gene in humans. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

AT1; AG2S; AT1B; AT1R; AT1AR; AT1BR; AT2R1; HAT1R; AGTR1B; type-1B angiotensin II receptor; AGTR1; Angiotensin II receptor type 1

Gene ID

[185](#)

UniProt ID

[P30556](#)