

Product Information

MemDX™ Membrane Protein Human AGTR1 (Angiotensin II receptor type 1) for Antibody

Discovery

Cat. No.: **MP0026X**

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

This product is a 41.1 kDa Human AGTR1 membrane protein expressed in *in vitro* wheat germ 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

AGTR1

Protein Length

Full-length

Molecular Weight

41.1 kDa

TMD

7

Sequence

MILNSSTEDGIKRIQDDCPKAGRHNHYIFVMIPTLYSIIFVVGIFGNSLVVIVYFYMKLKTVASVFLNLALADLCFLLTLPLWAVYTAMEY

Product Description

Application

Antibody Production

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

AG2S; AGTR1A; AGTR1B; AT1; AT1B; AT1R; AT2R1; AT2R1A; AT2R1B; HAT1R; angiotensin receptor 1; angiotensin receptor 1B; type-1B angiotensin II receptor

Gene ID

[185](#)

UniProt ID

[P30556](#)