

## Product Information

### MemDX™ Membrane Protein Human AGTR1 (Angiotensin II receptor type 1) Full Length

Cat. No.: **MPC0034K**

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

This product is a 41 kDa Human AGTR1 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

AGTR1

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

41 kDa

##### TMD

7

##### Sequence

MILNSSTEDGIKRIQDDCPKAGRHNHYIFVMIPTLYSIIFVVGIFGNSLVV  
IVIYFYMKLKTVASVFLNLALADLCFLTLPLWAVYTAMEYRWPFGNLY  
CKIASASVSFNLYASVFLLTCLSIDRYLAIVHPMKSLRRTMLVAKVTCI  
IIWLLAGLASLPAAIHRNVFFIENTNITVCAFHYESQNSTLPIGLGLTKN  
ILGFLFPFLIILTSYTLIWKALKKAYEIQKNKPRNDDIFKIIMAIVLFFF  
FSWIPHQIFTFLDVLIQLGIIRDCRIADIVDTAMPITICIAFYNNCLNPL  
FYGFLGKKFKRYFLQLLKYIPPAKAKSHSNLSTKMSTLSYRPSDNVSSSTK  
KPAPCFEVE

#### Product Description

##### Expression Systems

HEK293

##### Tag

Flag tag at N-terminal

**Protein Format**

Nanodiscs 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**

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](#)