

Recombinant Human AGTR1

Cat. No. AGTR1-28H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGTR1 was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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. Multiple alternatively spliced transcript variants have been reported for this gene.
Molecular Mass	41.1 kDa
Sequence	MILNSSTEDGIKRIQDDCPKAGRHNHYIFVMIPTLYSIIFVVGIFGNSLVVIVYFYMKLKT VASVFLNLALADLCFLTLPLWAVYTAMEYRWPFGNLYLCKIASASVSFNLYASVFL TCLSIDRYLAIVHPMKSRLRRTMLVAKVTCIIWLLAGLASLPAAIHRNVFFIENTNITVC AFHYESQNSTLPIGLGLTKNILGFLFPFLIILTSYTLIWKALKRAYEIQKNKPRNDDIFKII MAIVLFFFFSWIPHQIFTFLDVLIQLGIIRDCAIDIVDTAMPITICIAFYNNCLNPLFYGF

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LGKKFKRYFLQLLKYIPPKAKSHSNLSTKMSTLSYRPSDNVSSSTKKPAPCFEVE

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

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

OfficialSymbol AGTR1

GENE INFORMATION

Gene Name [AGTR1 angiotensin II receptor, type 1 \[Homo sapiens \]](#)

Synonyms AGTR1; angiotensin II receptor, type 1; AT1; AG2S; AT1B; AT1R; AT1AR; AT1BR; AT2R1; HAT1R; AGTR1A; AGTR1B; AT2R1A; AT2R1B; type-1 angiotensin II receptor; type-1B angiotensin II receptor; Angiotensin II type-1 receptor

Gene ID [185](#)

mRNA Refseq [NM_000685](#)

Protein Refseq [NP_000676](#)

MIM [106165](#)

UniProt ID [P30556](#)

Chromosome Location 3q24

Pathway ACE Inhibitor Pathway; Angiotensin receptor Tie2-mediated signaling; Arf6 signaling events

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Function

G-protein coupled receptor activity; acetyltransferase activator activity; angiotensin type I receptor activity; angiotensin type I receptor activity; angiotensin type II receptor activity

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