

# Recombinant Full Length Human AGTR1 Protein, Flag tagged

**Cat. No.** AGTR1-01HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human AGTR1 Protein with Flag tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-359 aa
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	42.2 kDa
<b>Endotoxin</b>	< 1 EU/μg of the protein by the LAL
<b>Purity</b>	> 90% by SDS-PAGE

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<b>Note</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration pr centrifugeess.
<b>Storage</b>	Store at -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions.
<b>Storage Buffer</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Concentration</b>	0.11 mg/mL by Bradford

## GENE INFORMATION

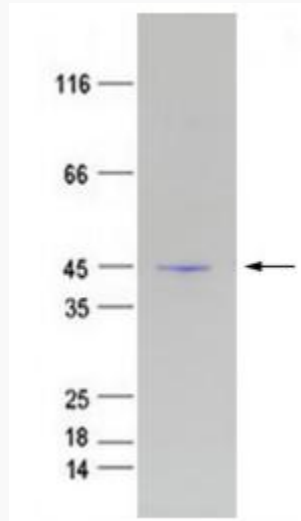
<b>Gene Name</b>	<a href="#">AGTR1 angiotensin II receptor, type 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">AGTR1</a>
<b>Synonyms</b>	AGTR1; angiotensin II receptor, type 1; AGTR1B, angiotensin receptor 1B; type-1 angiotensin II receptor; AG2S; AGTR1A; AT1; AT1B; AT2R1; AT2R1A; AT2R1B; HAT1R; AT1AR; AT1BR; angiotensin receptor 1; angiotensin receptor 1B; angiotensin II type-1 receptor; type-1B angiotensin II receptor; AT1R; AGTR1B;
<b>Gene ID</b>	<a href="#">185</a>
<b>mRNA Refseq</b>	<a href="#">NM_000685</a>
<b>Protein Refseq</b>	<a href="#">NP_000676</a>
<b>MIM</b>	<a href="#">106165</a>
<b>UniProt ID</b>	<a href="#">P30556</a>

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**SDS-PAGE**



Purified recombinant human AGTR1 protein was analyzed by Tricine-SDS-PAGE 12% gel, run with Tris-Glycine running buffer.

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