

Recombinant Human AGTR1 Protein, GST-tagged

Cat. No. AGTR1-447H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AGTR1 partial ORF (AAH22447, 250 a.a. - 359 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<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. Multiple alternatively spliced transcript variants have been reported for this gene. [provided by RefSeq, Jul 2012]</p>
Molecular Mass	37.73 kDa
AA Sequence	FFSWIPHQIFTFLDVLIQLGIIRDLCRIADIVDTAMPITICIAYFNNCLNPLFYGFLGKKFKR YFLQLLKYIPPKAKSHSNLSTKMSTLSYRHSDNVSSSTKKPAPCFEVE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AGTR1 angiotensin II receptor, type 1 [Homo sapiens]
Official Symbol	AGTR1
Synonyms	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;
Gene ID	185
mRNA Refseq	NM_000685
Protein Refseq	NP_000676
MIM	106165
UniProt ID	P30556

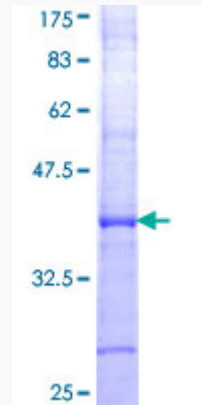
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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