Recombinant Human AGTR1, GST-tagged

Cat. No. AGTR1-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGTR1 (250 a.a. - 359 a.a.) fused with GST-tag at N-terminal, 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	37.73 kDa
Sequence	FFSWIPHQIFTFLDVLIQLGIIRDCRIADIVDTAMPITICIAYFNNCLNPLFYGFLGKKFKR YFLQLLKYIPPKAKSHSNLSTKMSTLSYRHSDNVSSSTKKPAPCFEVE
Storage buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA; WB
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; Angiopoietin receptor Tie2-mediated signaling; Arf6 signaling events
Function	G-protein coupled receptor activity; acetyltransferase activator activity; angiotensin type I receptor activity; angiotensin type I receptor activity; angiotensin type II

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	receptor activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA