



[Go to Product page](#)

Datasheet for ABIN7491257

Angiotensin II Type-1 Receptor Protein (AA 1-27) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Angiotensin II Type-1 Receptor (AGTR1)
Protein Characteristics:	AA 1-27
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiotensin II Type-1 Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human AGTR1 Protein with C-terminal human Fc tag
Specificity:	AGTR1 (Met1-Ile27) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Angiotensin II Type-1 Receptor (AGTR1)
Alternative Name:	AGTR1 (AGTR1 Products)
Background:	Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone

Target Details

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.
[provided by RefSeq, Aug 2020]

Molecular Weight: predicted molecular mass of 29.2 kDa after removal of the signal peptide. The apparent molecular mass of AGTR1-hFc is 35-55 kDa due to glycosylation.

UniProt: [P30556](#)

Pathways: [JAK-STAT Signaling](#), [ACE Inhibitor Pathway](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months