

HUMAN AGTR1 PROTEIN, HFC TAG**Cat.#:** 11826**Product Name:** Human AGTR1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** AG2S;AGTR1B;AT1;AT1AR;AT1B;AT1BR;AT1R;AT2R1;HAT1R**Target:** AGTR1**UNIPROT ID:** P30556**Description:** Recombinant Human AGTR1 Protein with C-terminal human Fc tag**Background:** 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. [provided by RefSeq, Aug 2020]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 29.2 kDa after removal of the signal peptide. The apparent molecular mass of AGTR1-hFc is approximately 35–55 kDa due to glycosylation.**Molecular Characterization:** AGTR1(Met1-Ile27) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** 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.

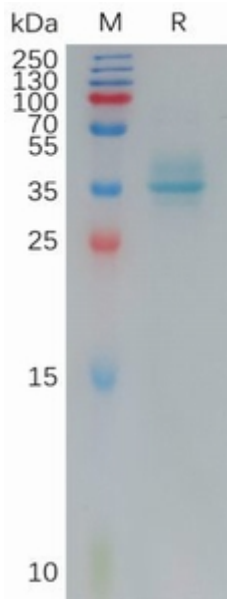


Figure 1. Human AGTR1 Protein, hFc Tag on SDS-PAGE under reducing condition.