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AGT Protein (AA 1-476) (His tag)



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Quantity:	100 μg
Target:	AGT
Protein Characteristics:	AA 1-476
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGT protein is labelled with His tag.

Product Details

Sequence:	Met1-Glu476
Characteristics:	A DNA sequence encoding the Human AGT protein (P01019) (Met1-Glu476) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	AGT
Alternative Name:	AGT (AGT Products)
Background:	Abbreviation: AGT
	Target Synonym: Aangiotensinogen, Alpha 1 antiproteinase antitrypsin, Ang, Angiotensin
	I,Angiotensin-3,ANGT,ANHU,ANRT,AT-2,PAT,Serpin A8,SERPINA8
	Background: Angiotensinogen is involved in maintaining blood pressure and in the

Target Details

pathogenesis of essential hypertension and preeclampsia. Genetic variations in Angiotensinogen are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in the encoding gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

Molecular Weight:

Calculated MW: 52.25 kDa

Observed MW: 60 kDa

UniProt:

P01019

Pathways:

JAK-STAT Signaling, ACE Inhibitor Pathway, EGFR Signaling Pathway, Peptide Hormone

Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones, Regulation of Lipid

Metabolism by PPARalpha, Protein targeting to Nucleus, Feeding Behaviour, Monocarboxylic

Acid Catabolic Process, Dicarboxylic Acid Transport, Positive Regulation of Response to DNA

Damage Stimulus, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months