

## Recombinant Human AGT Protein (His Tag)

Catalog Number: PDMH100382

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

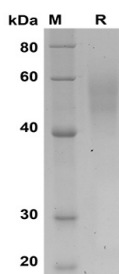
### Description

<b>Species</b>	Human
<b>Source</b>	Mammalian-derived Human AGT protein Met1-Glu476, with an C-terminal His
<b>Calculated MW</b>	52.3 kDa
<b>Observed MW</b>	45-60 kDa
<b>Accession</b>	P01019
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Human AGT proteins, 2 µg/lane of Recombinant Human AGT proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 45-60 kDa.

### Background

Angiotensinogen is involved in maintaining blood pressure and in the 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.

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