



[Go to Product page](#)

Datasheet for ABIN7534621
AGT Protein (His tag)

Overview

Quantity:	100 µg
Target:	AGT
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This AGT protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Angiotensinogen/AGT Protein
Sequence:	DRVYIHPFHL VIHNESTCEQ LAKANAGKPK DPTFIPAPIQ AKTSPVDEKA LQDQLVLVAA KLDTEKDLRA AMVGMLANFL GFRIYGMHSE LWGVVHGATV LSPTAVFGTL ASLYLGALDH TADRLQAILG VPWKDKNCTS RLDAAHKVLSA LQAVQGLLVA QGRADSQAQL LLSTVVGCVFT APGLHLKQPF VQGLALYTPV VLPRSLDFTE LDVAAEKIDR FMQAVTGWKT GCSLTGASVD STLAFNTYVH FQGKMKGFSL LAEPQEFWVD NSTSVSVPMML SGMGTFQHWS DIQDNFSVTQ VSFTESACLL LIQPHYASDL DKVEGLTFQQ NSLNWMKKLS PRTIHLTMPQ LVLQGSYDLQ DLLAQAEPLA ILHTELNQK LSNDRIRVGE VLNSIFFELE ADEREPTTEST QQLNKPEVLE VTLNRPFLFA VYDQSATALH FLGRVANPLS TA
Specificity:	Asp34-Ala485
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Product Details

Endotoxin Level:	< 0.1 EU/μg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human Angiotensinogen at 1 μg/mL (100 μL/well) can bind Anti-Angiotensinogen rabbit Mab with a linear range of 0.78-2.44 ng/mL.

Target Details

Target:	AGT
Alternative Name:	Angiotensinogen/AGT (AGT Products)
Background:	AGT, ANHU, hFLT1, SERPINA8
Gene ID:	183
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
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.