

Recombinant Human AGT Protein, GST-tagged

Cat. No. AGT-442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGT full-length ORF (AAH11519, 1 a.a. - 485 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease. [provided by RefSeq, Jul 2008]
Molecular Mass	79.09 kDa
AA Sequence	MRKRAPQSEMAPAGVSLRATILCLLAWAGLAAGDRVYIHPFHLVIHNESTCEQLAKA NAGKPKDPTFIPAPIQAKTSPVDEKALQDQLVLVAAKLDTEKLRAMVGMMLANFLG FRIYGMHSELWGVVHGATVLSPTAVFGTLASLYLGALDHTADRLQAILGVPWKDKN CTSRDLAHKVL SALQAVQGLLV AQGRADSQAQLLLSTVVG VFTAPGLHLKQPFVQG

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LALYTPVVLPRSLDFTELDVA AEKIDRFMQAVTGWKTGCSLTGASVDSTLAFNTYVH
 FQGKMKGFSLLAEPQEFWVDNSTSVSVPMLSGMGTFQHWSDIQDNFSVTQVSFTE
 SACLLLIQPHYASDL DKVEGLTFQQNSLNWMKKLSPRTIHLTMPQLVLQGSYDLQDL
 LAQAELPAILHTELN LQKLSNDRIRVGEVLNSIFFELEADEREPTTESTQQLNKPEVLEV
 TLNRPFLFAVYDQSATALHFLGRVANPLSTA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

AGT angiotensinogen (serpin peptidase inhibitor, clade A, member 8) [Homo sapiens]

Official Symbol

AGT

Synonyms

AGT; angiotensinogen (serpin peptidase inhibitor, clade A, member 8); SERPINA8; angiotensinogen; alpha 1 antiproteinase; antitrypsin; serpin A8; angiotensin I; angiotensin II; pre-angiotensinogen; alpha-1 antiproteinase, antitrypsin; serine (or cysteine) proteinase inhibitor; ANHU;

Gene ID

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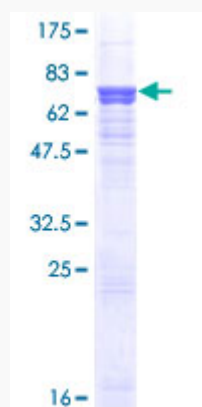
mRNA Refseq [NM_000029](#)

Protein Refseq [NP_000020](#)

MIM [106150](#)

UniProt ID [P01019](#)

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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