

## Product datasheet for **TP303768**

### Angiotensinogen (AGT) (NM\_000029) Human Recombinant Protein

#### Product data:

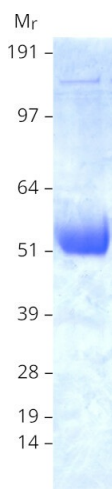
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human angiotensinogen (serpin peptidase inhibitor, clade A, member 8) (AGT), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203768 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MRKRAPQSEMAPAGVSLRATILCLLAWAGLAAGDRVYIHPFHLVIHNESTCEQLAKANAGKPKDPTFIPA PIQAKTSPVDEKALQDQLVLVAAKLDTEKLRAMVGMLANFLGFRIYGMHSELWGVVHGATVLSPTAVF GTLASLYLGALDHTADRLQAILGVPWKDNCTSRDLAHKVLSALQAVQGGLLVAQGRADSQAQLLLSTVVG VFTAPGLHLKQPFVQGLALYTPVVLPRSLDFTELDVA AEKIDRFMQAVTGWKTGCSLTGASVDSTLAFNT YVHFQGKMKGFSLAEPQEFWVDNSTSVSPMLSGMGTFQHWSDIQDNFSVTQVSFTESACLLLIQPHY A SDLDKVEGLTFQQNSLNWMKKLSPRTIHLTMPQLVLQGSYDLQDLAQAELPAILHTELNQKLSNDRIR VGEVLNSIFFEADEREPTTESTQQLNKPEVLEVTLNRPFLFAVYDQSATALHFLGRVANPLSTA</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	49.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_000020</u>
<b>Locus ID:</b>	183
<b>UniProt ID:</b>	<u>P01019</u>
<b>RefSeq Size:</b>	2587
<b>Cytogenetics:</b>	1q42.2
<b>RefSeq ORF:</b>	1455
<b>Synonyms:</b>	ANHU; hFLT1; SERPINA8
<b>Summary:</b>	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, body fluid and electrolyte homeostasis, 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, Nov 2019]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Renin-angiotensin system

### Product images:



Coomassie blue staining of purified AGT protein (Cat# TP303768). The protein was produced from HEK293T cells transfected with AGT cDNA clone (Cat# [RC203768]) using MegaTran 2.0 (Cat# [TT210002]).