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Product datasheet for TP721058XL

Angiotensinogen (AGT) (NM_000029) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human angiotensinogen (serpin peptidase inhibitor, clade A, member 8) (AGT)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Asp34-Ala485
Tag:	C-His
Predicted MW:	51.7 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000020
Locus ID:	183
UniProt ID:	P01019, B0ZBE2, B2R5S1
RefSeq Size:	2587
Cytogenetics:	1q42.2
RefSeq ORF:	1455
Synonyms:	ANHU; hFLT1; SERPINA8

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Summary: 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]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Renin-angiotensin system