

## Recombinant Human Angiotensinogen(AGT),partial

Catalog No: #AP76501



Package Size: #AP76501-1 20ug #AP76501-2 100ug #AP76501-3 1mg

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Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Human Angiotensinogen(AGT),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:44-427aaSequence Info:Partial
Other Names	Serpin A8
Accession No.	P01019
Uniprot	P01019
GeneID	183;
Calculated MW	57.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	VIHNESTCEQLAKANAGKPKDPTFIPAPIQAKTSPVDEKALQDQLVLAALKDTEKLRAMVGMANFLGFRI YGMHSELWGVVHGATVLSPTAVFGTLASLYLGALDHTADRLQAILGVPWKDKNCTSRDLAHKVLSALQAVQG LLVAQGRADSQAQLLLSTVVGVFTAPGLHLKQPFVQGLALYTPVVLPRSLDFTELDVAAEKIDRFMQAVTGWK TGCSLMGASVDSTLAFNTYVHFQGKMKGFSLAEPQEFWVDNSTSVSPMLSGMGTFQHWSDIQDNFSVTQ VPFTESACLLLIQPHYASDLKVEGLTFQQNSLNWMKCLSPRTIHLTMPQLVLQGSYDLQDQLLAQAEIPAILHT ELNLQKLSNDRIRVGEVLNS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Essential component of the renin-angiotensin syst (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis.Angiotensin-2: acts directly on vascular smooth muscle as a potent vasoconstrictor, affects cardiac contractility and heart rate through its action on the sympathetic nervous syst, and alters renal sodium and water absorption through its ability to stimulate the zona glomerulosa cells of the adrenal cortex to synthesize and secrete aldosterone.Angiotensin-3: stimulates aldosterone release.Angiotensin 1-7: is a ligand for the G-protein coupled receptor MAS1. Has vasodilator and antidiuretic effects. Has an antithrombotic effect that involves MAS1-mediated release of nitric oxide from platelets.

## References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Research Topic:Cardiovascular

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Note: This product is for in vitro research use only