Recombinant Mouse Angiotensinogen (Agt)

Product Code	CSB-YP001463MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11859
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	DRVYIH PFHLLYHNKS TCAQLENPSV ETLPESTFEP VPIQAKTSPV NEKTLHDQLV LAAEKLEDED RKRAAQVAMI ANFVGFRMYK MLNEAGSGAS GAILSPPALF GTLVSFYLGS LDPTASQLQT LLDVPVKEGD CTSRLDGHKV LAALRAVQGL LVTQGGSSSQ TPLLQSIMVG LFTAPGFRLK HSFVQSLALF TPALFPRSLD LSTDPVLATE KINRFIKAVT GWKMNLPLEG VSTDSTLLFN TYVHFQGTMR GFSQLPGVHE FWVDNSISVS VPMISGTGNF QHWSDAQNNF SVTCVPLGER ATLLLIQPHC TSDLDRVEAL IFRNDLLTWI ENPPPRAIRL TLPQLEIRGS YNLQDLLAED KLPTLLGAEA NLSNIGDTNP RVGEVLNSIL LELKAGEEEQ PTTSVQQPGS PEALDVTLSS PFLFAIYEQD SGTLHFLGRV NNPQSVV
Source	Yeast
Target Names	Agt
Protein Names	Recommended name: Angiotensinogen Alternative name(s): Serpin A8 Cleaved into the following 3 chains: 1. Angiotensin-1 Alternative name(s): Angiotensin I Short name= Ang I Angiotensin-2 Alternative name(s): Angiotensin II
Expression Region	25-477
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein, 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final

	concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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.