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YBA797Mu01 50 $\mu$ g

Recombinant Angiotensinogen (AGT)

Organism Species: *Mus musculus* (Mouse)

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## [ PROPERTIES ]

Residues: Ala23~Val477

Tags: Two N-terminal Tags, His-tag and S-tag

Accession: P11859

Host: *E. coli*

Subcellular Location: Secreted.

Purity: >90%

Endotoxin Level: <1.0EU per 1 $\mu$ g

(determined by the LAL method).

Formulation: Supplied as lyophilized form in 10ml

PBS, pH7.4, containing 1mM DTT, 5% trehalose,

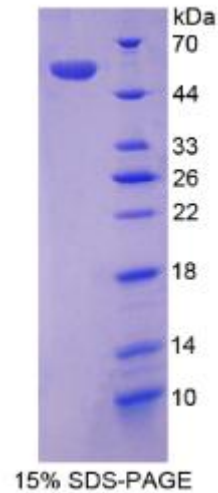
0.01% sarcosyl and preservative.

Predicted isoelectric point: 5.4

Predicted Molecular Mass: 56.1kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)





## [ USAGE ]

Reconstitute in sterile ddH<sub>2</sub>O.

## [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The sequence of the target protein is listed below.

AGDRVYIH PFHLLYHNKS TCAQLENPS VETLPESTFEP VPIQAKTSPV NEKTLHDQLV  
LAAEKLEDED RKRAAQVAMI ANFVGFRMYK MLNEAGSGAS GAILSPPALF GTLVSFYLGS  
LDPTASQLQT LLDVVPKEGD CTSRLDGHKV LAALRAVQGL LVTQGGSSSQ TPLLQSIMVG  
LFTAPGFRLK HSFVQSLALF TPALFPRSLD LSTDPVLATE KINRFIKAVT GWKMNLPLEG  
VSTDSTLLFN TYVHFQGTMR GFSQLPGVHE FWVDNSISVS VPMISGTGNF QHWSDAQNNF  
SVTCVPLGER ATLLLIQPHC TSDLRVEAL IFRNDLLTWI ENPPRAIRL TLPQLEIRGS  
YNLQDLLAED KLPTLLGAEA NLSNIGDTNP RVGEVLNSIL LELKAGEEEQ PTTSVQQPGS  
PEALDVTLSS PFLFAIYEQD SGTLHFLGRV NNPQSVV

## [ REFERENCES ]

1. Clouston W.M., *et al.* (1988) *Genomics* 2:240-248.
2. Santos R.A.S., *et al.* (2003) *Proc. Natl. Acad. Sci. U.S.A.* 100:8258-8263.
3. Fraga-Silva R.A., *et al.* (2008) *Mol. Med.* 14:28-35.



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4. Zhou A., *et al.* (2010) Nature 468:108-111.