Angiotensinogen Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: AGT; Serpin A8; Serpin Peptidase Inhibitor, Clade A, Member 8; ANHU; Pre-Angiotensinogen; Angiotensin I; Angiotensin II; Alpha-1 Antiproteinase, Antitrypsin; Serine (Or Cysteine) Proteinase Inhibitor

Cat. No.:
RD172367100 (0.1 mg)

Description

Total 462 AA. MW: 51.0 kDa (calculated). UniProtKB acc. No. P01019 (Asp34-Ala485). C-terminal linker (2 extra AA) and C-terminal FLAG-tag (8 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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DRVYIHPFHL VIHNESTCEQ LAKANAGKPK DPTFIPAPIQ AKTSPVDEKA LQDQLVLVAA KLDTEDKLRA AMVGMLANFL
GFRIYGMHSE LWGVVHGATV LSPTAVFGTL ASLYLGALDH TADRLQAILG VPWKDKNCTS RLDAHKVLSA LQAVQGLLVA
QGRADSQAQL LLSTVVGVFT APGLHLKQPF VQGLALYTPV VLPRSLDFTE LDVAAEKIDR FMQAVTGWKT GCSLTGASVD
STLAFNTYVH FQGKMKGFSL LAEPQEFWVD NSTSVSVPML SGMGTFQHWS DIQDNFSVTQ VSFTESACLL LIQPHYASDL
DKVEGLTFQQ NSLNWMKKLS PRTIHLTMPQ LVLQGSYDLQ DLLAQAELPA ILHTELNLQK LSNDRIRVGE VLNSIFFELE
ADEREPTEST QQLNKPEVLE VTLNRPFLFA VYDQSATALH FLGRVANPLS TARTDYKDDD DK
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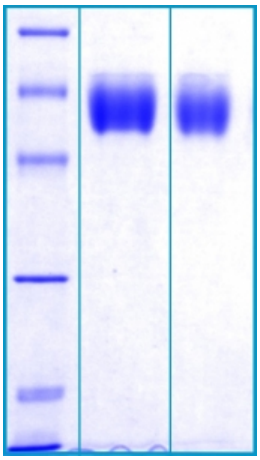
Source

HEK293

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



12% SDS-PAGE separation of Human AGT:
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and heated sample, 2.5 µg/lane
3. non-reduced and non-heated sample, 2.5 µg/lane

Endotoxin

< 0.1 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/mL solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.

Reconstitution

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4°C for three days.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

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