BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 28.08.2018

PRODUCT DATASHEET

Angiotensinogen Human HEK293

Cat. No.: RD172367025
Type: Recombinant protein
Size: 0.025 mg
Source: HEK293
Species: Human

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.

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

Introduction to the molecule

Research topic
Cardiovascular disease, Renal disease

Amino Acid sequence
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

Purity
Purity as determined by densitometric image analysis: >95%

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.

Reconstituion:
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.

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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.

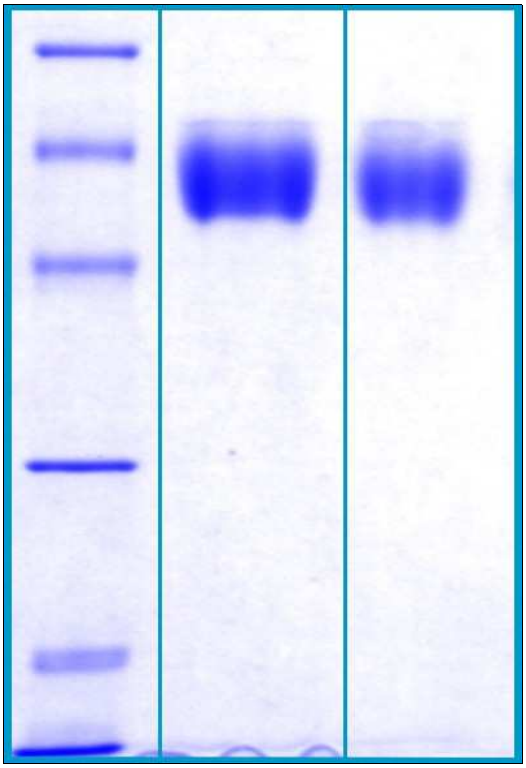
Quality control
BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

LAL to determine quantity of endotoxin.

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

Note
This product is intended for research use only.



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

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