Fetuin-B Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: 16G2, Fetuin-like protein IRL685, Gugu, FETUB

Cat. No.:
RD172172100 (0.1 mg)

Description

MW: 41.8 kDa (calculated), migrates at ~ 55 kDa on SDS-PAGE; N-terminal linker (4 extra AA highlighted), C-terminal His-tag (6 extra AA highlighted). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Fetuin B is a member of cystatin superfamily proteins, comprises two cystatin domains. It was found in secreted form in serum, it is expressed in liver, tongue and placenta. It regulates osteogenesis by inhibition effect on mineralization. It plays a role in oocyte maturation.

Research topic

Bone and cartilage metabolism, Energy metabolism and body weight regulation, Immune Response, Infection and Inflammation, Oncology, Others

Amino Acid Sequence

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HSHVCGAMSP PQLALNPSAL LSRGCNDSDV LAVAGFALRD INKDRKDGYV LRLNRVNDAQ EYRRGGLGSL FYLTLDVLET
DCHVLRKKAW QDCGMRIFFE SVYGQCKAIF YMNNPSRVLY LAAYNCTLRP VSKKKIYMTC PDCPSSIPTD SSNHQVLEAA
TESLAKYNNE NTSKQYSLFK VTRASSQWVV GPSYFVEYLI KESPCTKSQA SSCSLQSSDS VPVGLCKGSL TRTHWEKFVS
VTCDFFESQA PATGSENSAV NQKPTNLPKV EESQQKNTPP TDSPSKAGPR GSVQYLPDLD DKNSQEKGPQ EAFPVHLDLT
TNPQGETLDI SFLFLEPMEE KLVVLPFPKE KARTAECPGP AQNASPLVLP PHHHHHH
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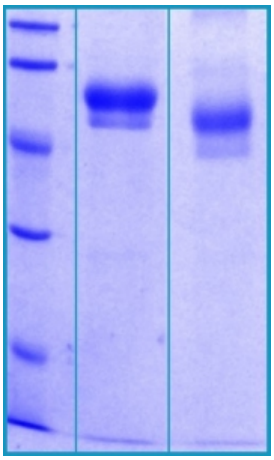
Source

HEK293

Purity

Purity as determined by densitometric image analysis: >90%

SDS-PAGE gel



12% SDS-PAGE separation of Human Fetuin-B
1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and boiled sample, 5µg / lane
3. non-reduced and non-boiled sample, 5µg / lane

Endotoxin

<0.1 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4

Reconstitution

Add deionized water to prepare a working stock solution of 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 the cell culture.

Shipping

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

Storage, Stability/Shelf Life

Store 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 a week.

Quality Control Test

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

Applications

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

Note

This product is intended for research use only. The Certificate of Analysis is available on www.biovendor.com

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