

# Human Fetuin B Protein, His Tag

Catalog # FEB-H52H7



### Synonym

FETUB,Fetuin-B,16G2,Gugu

### Source

Human Fetuin B, His Tag(FEB-H52H7) is expressed from human 293 cells (HEK293). It contains AA Cys 16 - Pro 382 (Accession # [AAH69670](#) ).  
Predicted N-terminus: Cys 16

### Molecular Characterization

Fetuin B(Cys 16 - Pro 382 )  
AAH69670

Poly-his

This protein carries a polyhistidine tag at the C-terminus.  
The protein has a calculated MW of 42.4 kDa. The protein migrates as 53-58 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

### Purity

>95% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

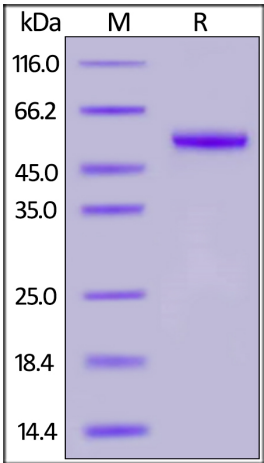
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Human Fetuin B, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

### Background

Fetuin-B (FETUB), a second member of the fetuin family in mammals, is also known as Fetuin-like protein IRL685, 16G2 and Gugu, which is expressed in liver and testis and contains 2 cystatin fetuin-B-type domains. FETUB is a protease inhibitor required for egg fertilization. FETUB is also required to prevent premature zona pellucida hardening before fertilization, probably by inhibiting the protease activity of ASTL, a protease that mediates the cleavage of ZP2 and triggers zona pellucida hardening (By similarity). As a liver-derived plasma protein, FETUB is essential for fertilization.



Human Fetuin B Protein, His Tag

Catalog # FEB-H52H7

