

**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.

EndotoxinLess than 1.0 EU per μ g by the LAL method / rFC method.**Purity**

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μ m 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.

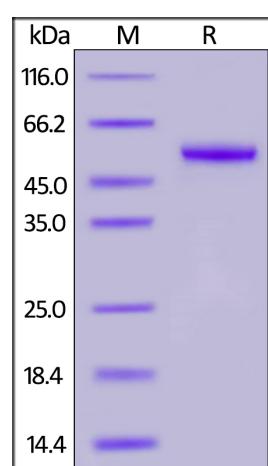
Storage

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.

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Human Fetuin B Protein, His Tag

Catalog # FEB-H52H7



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