

## Recombinant Human Fetuin B

Catalog No: C345

<b>Description</b>	Recombinant Human Fetuin B is produced by our Mammalian expression system and the target gene encoding Cys16-Pro382 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Fetuin-B; 16G2; Fetuin-Like Protein IRL685; Gugu; FETUB
<b>Accession No.</b>	Q9UGM5
<b>AMINO ACID SEQUENCE</b>	CGAMSPQLALNPSALLSRGCNDSVDLAVAGFALRDINKDRKDG YVLRNLNRVND AQEYRRGGLGSL FYLTLDVLETDC HVL RKKAWQDCGMRIFFESVYGQCKAIFYMNNPSRVLYLAAYNCTLRPVSKKKIY MTCPCDPSSIPTDSSNHQVLEAATESLAKYNNENTSKQYSLFKVTRASSQWVVGPSYFVEYLIKESPC TKSQASSCSLQSSDSVPVGLCKGSLTRTHWEK FVSVTCDF FESQAPATGSENSAVNQKPTNL PKV EESQQKNTPPPTDSPSKAGPRGSVQYLPDLDDKNSQEKG PQEAFVHLDLTTNPQGETL DISFLFLEP ME EKLVL PFPKEKARTAECPGPAQNASPLVLPVDH HHHHHH
<b>Quality Control</b>	Purity: >95% as determined by reducing SDS-PAGE. Endotoxin: <1.0 EU per µg
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Background</b>	Fetuin-B is a member of the Fetuin family that is part of the Cystatin superfamily of Cysteine Protease inhibitors. It is reported that Fetuin-B is highly expressed in liver tissue, in tongue and placenta tissues. Fetuin-B is a paralogue of Fetuin-A. Fetuin-A and Fetuin-B display similarities and differences in their characteristics, however, they share only 20% amino acid sequence identity. The amounts of Fetuin-B in human serum, unlike Fetuin-A, vary with gender and are higher in females than in males. Fetuin-B is an inhibitor of basic calcium phosphate precipitation but is less active than Fetuin-A. Fetuin-B expression is decreased in Fetuin-A deficient knock-out mice. The expression of Fetuin-B has been shown to be regulated by FXR (Farnesoid X Receptor), a nuclear receptor activated by bile acids. Evidence has shown that overexpression of Fetuin-B in skin squamous carcinoma cells suppresses tumor growth in nude mice. The function of Fetuin B is still not fully characterized.

### SDS-PAGE

