

## 32-7317: Recombinant Human Fetuin-B/FETUB (C-6His)

**Gene :** FETUB  
**Gene ID :** 26998  
**Uniprot ID :** Q9UGM5

### Description

Source: Human Cells.  
MW :41.53kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** 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.  
**Amino Acid :** CGAMSPQLALNPSALLSRGCNDSVLAVAGFALRDINKDRKDGIVLRLNRVND AQEYRRGGLGSLFYLTLDV  
LETDCHVLRKKAWQDCGMRIFFESVYGQCKAIFYMNNPSRVLYLAAYNCTLRPVSKKKIYMTCPDCPSSIPTDSS  
NHQVLEAATESLAKYNNENTSKQYSLFKVTRASSQWVVGPSYFVEYLIKESPTKSKQASSCSLQSSDSVPVGLC  
KGS LTRTHWEK FVSVTCDFFESQAPATGSENSAVNQKPTNLPKVEESQKNTPTDSPSKAGPRGSVQYLPDL  
DDKNSQEKGPQEAFPVHLDLTTNPQGETLDISFLFLEPMEEKLVVLPFPKEKARTAECPGPAQNASPLVLPVDH  
HHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.