

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
NHQVLEAATESLAKYNNENTSKQYSLFKVTRASSQWVVGPSYFVEYLIKESPTKSQASSCSLQSSDSVPVGLC
KGSLTRTHWEKFVSVTCDFESQAPATGSESAVNQKPTNLPKVEESQKNTPTDSPSKAGPRGSVQYLPDL
DDKNSQEKGPQEAFPVHDLTTNPQGETLDISFLFLEPMEEKLVVLPFPKEKARTAECPGAQNASPLVLPVVDH
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 ddH₂O. 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.