

Recombinant Human Fetuin B Catalog No: C345

Description 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.

Source Human Cells

Alternative name Fetuin-B; 16G2; Fetuin-Like Protein IRL685; Gugu; FETUB

Accession No. Q9UGM5

AMINO ACID SEQUENCE CGAMSPPQLALNPSALLSRGCNDSDVLAVAGFALRDINKDRKDGYVLRLNRVNDAQEYRRGGLGSL FYLTLDVLETDCHVLRKKAWQDCGMRIFFESVYGQCKAIFYMNNPSRVLYLAAYNCTLRPVSKKKIY MTCPDCPSSIPTDSSNHQVLEAATESLAKYNNENTSKQYSLFKVTRASSQWVVGPSYFVEYLIKESP CTKSQASSCSLQSSDSVPVGLCKGSLTRTHWEKFVSVTCDFFESQAPATGSENSAVNQKPTNLPKV EESQQKNTPPTDSPSKAGPRGSVQYLPDLDDKNSQEKGPQEAFPVHLDLTTNPQGETLDISFLFLEP

ME EKLVVLPFPKEKARTAECPGPAQNASPLVLPPVDHHHHHH

Quality Control Purity: >95% as determined by reducing SDS-PAGE.

Endotoxin: <1.0 EU per µg

Formulation Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution 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.

Shipping The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage 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

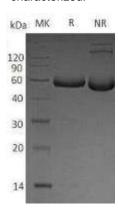
are stable at < -20°C for 3 months.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Background 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



MK: Marker

R: Reducing sample

NR: Non-reducing sample

