9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FETUB Human

Fetuin-B Human Recombinant
RCP0849

Product Overview

Name	FETUB Human
Description	
Fetuin-B Human Recombinant	
Accession (Primary)	Q9UGM5
Synonyms	
Fetuin-B, 16G2, Fetuin-like protein IRL685, Gugu, FETUB, IRL685.	
Introduction	
Fetuin-B (FETUB) belongs to the fetuin family, part of the cystatin superfamily proteins and comprised of 2 cystatin domains. Fetuin-B is found in a secreted form in the serum, it is expressed in the liver, tongue and placenta. FETUB regulates osteogenesis by inhibition effect on mineralization. Fetuins are implicated in a number of various functions, including osteogenesis and bone resorption, regulation of the hepatocyte growth factor receptors, and response to systemic inflammation. FETUB also has a role in oocyte maturation. Fetuin-B is essential in preventing premature zona pellucida hardening before fertilization, probably by inhibiting the protease activity of ASTL, which is a protease that mediates the cleavage of ZP2 and triggers zona pellucida hardening.	
Source	
HEK 293.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
FETUB filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
HSHV CGAMSP PQLALNPSAL LSRGCNDSDV LAVAGFALRD INKDRKDGYV LRLNRVNDAQ EYRRGGLGSL	

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FYLTLDVLET DCHVLRKKAW QDCGMRIFFE SVYGQCKAIF YMNNPSRVLY LAAYNCTLRP VSKKKIYMTC PDCPSSIPTD SSNHQVLEAA TESLAKYNNE NTSKQYSLFK VTRASSQWVV GPSYFVEYLI KESPCTKSQA SSCSLQSSDS VPVGLCKGSL TRTHWEKFVS VTCDFFESQA PATGSENSAV NQKPTNLPKV EESQQKNTPP TDSPSKAGPR GSVQYLPDLD DKNSQEKGPQ EAFPVHLDLT TNPQGETLDI SFLFLEPMEE KLVVLPFPKE KARTAECPGP AQNASPLVLP P HHHHHH .

Solubility

It is recommended to add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. FETUB is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

FETUB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UGM5)