

32-3828: FETUB Recombinant Protein

Alternative Name : Fetuin-B,16G2,Fetuin-like protein IRL685,Gugu,FETUB,IRL685.

Description

Source : HEK 293. Fetuin-B Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain containing a total of 377 amino acids, having a molecular mass of 41.8kDa (calculated) though it migrates at approximately 55kDa on SDS PAGE, the Fetuin-B is also composed of a 4 a.a N-terminal linker and fused to a 6 a.a His tag at C-Terminus. The Human FETUB is purified by proprietary chromatographic techniques. 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 insulin and 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.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	FETUB filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.
Storage condition :	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.
Amino Acid :	HSHVCGAMSP PQLALNPSAL LSRGCNDSV LAVAGFALRD INKDRKDGIV LRLNRVNDQA EYRRGGLGSL FYLTLDVLET DCHVLRKKAQ QDCGMRIFFE SVYGQCKAIF YMNPNRSVLY LAAYNCTLRP VSKKKIYMTD PDCPSSIPTD SSNHQVLEAA TESLAKYNNNE NTSKQYSLFK VTRASSQWVW GPSYFVEYLI KESPCTKSQA SSCSLQSSDS VPVGLCKGSL TRTHWEKFVS VTCDFEFESQA PATGSENSAV NQKPTNLPKV EESQQKNTTP TDSPSKAGPR GSVQYLPDL DKNSEQKGPQ EAFPVHDLT TNPQGETLDI SFLFLEPME KLVVLPFPKE KARTAECPPG AQNASPLVLP PHHHHHH.

Application Note

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.

