Human Fetuin-B / FETUB Protein (His Tag)

Catalog Number: 11834-H08H

General Information

Gene Name Synonym:

16G2; Gugu; IRL685

Protein Construction:

A DNA sequence encoding the human FETUB (NP_055190.2) (Met 1-Pro 382) was expressed, with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: ≥ 95 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Met 19

Molecular Mass:

The recombinant human FETUB consists of 375 amino acids and predictes a molecular mass of 41.7 kDa. rhFETUB migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

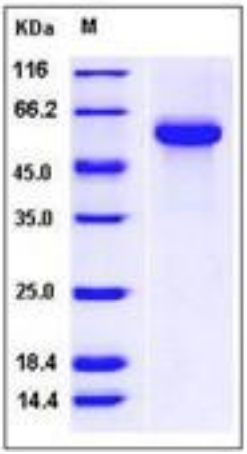
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Fetuin-B, also known as Fetuin-like protein IRL685 and FETUB, is a secreted protein which belongs to thefetuin family. Fetuin-B / FETUB contains twocystatin domains. Fetuin-B is a member of the fetuin family, part of the cystatin superfamily of cysteine protease inhibitors. Fetuins have been implicated in several diverse functions, including osteogenesis and bone resorption. Fetuin-A has been identified as a major protein during fetal life and is also involved in important functions such as protease inhibitory activities and development-associated regulation of calcium metabolism and osteogenesis. Fetuin-A is a key partner in the recovery phase of an acute inflammatory response. Fetuin-B / FETUB is found at least in human and rodents. It is unambiguously a paralogue of Fetuin-A. Fetuin-A and Fetuin-B exhibit significant differences at the amino acid sequence level, notably including variations with respect to the archetypal fetuin-specific signature.

References

1.Olivier E., et al., 2000, Biochem. J. 350:589-97 2.Liu T., et al., 2005, J. Proteome Res. 4:2070-80. 3.Hsu SJ, et al., 2005, Genome. 47 (5): 931-46.