Recombinant Human Fetuin B Protein(Fc Tag)

Catalog Number: PDMH100300

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

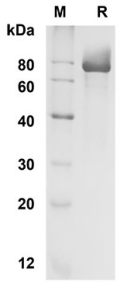
Description

Species	Human
Source	Mammalian-derived Human Fetuin B proteins Cys16-Pro382,with an C-terminal Fc
Calculated MW	65.3 kDa
Observed MW	75-80 kDa
Accession	Q9UGM5
Bio-activity	Not validated for activity

Properties

Purity	＞90% as determined by reducing SDS-PAGE.
Endotoxin	＜1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at ＜-20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human Fetuin B proteins , 2μg/lane of Recombinant Human Fetuin B proteins was resolved with SDS-PAGE under reducing conditions , showing bands at 75-80 KD

Background

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. Fetui n-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.