

# Recombinant Human Fetuin B Protein(His Tag)

Catalog Number: PDMH100308

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

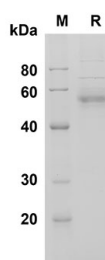
## Description

<b>Species</b>	Human
<b>Source</b>	Mammalian-derived Human Fetuin B proteins Cys16-Pro382,with an C-terminal His
<b>Mol_Mass</b>	40.3 kDa
<b>Accession</b>	Q9UGM5
<b>Bio-activity</b>	Not validated for activity

## Properties

<b>Purity</b>	> 90% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	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 55

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. Fetuin 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.

## For Research Use Only