

Recombinant Mouse Fetuin-B/FETUB Protein (His Tag)

Catalog No. PKSM040606

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

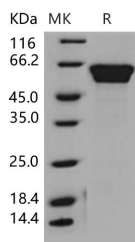
Description

Synonyms	2310011O17Rik;AI255764;D17980;Gugu
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Pro 388
Accession	Q9QXC1-1
Calculated Molecular Weight	42.3 kDa
Observed molecular weight	55-60 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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°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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH 7.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 97 % as determined by reducing SDS-PAGE.

Background

Fetuin-B, also known as Fetuin-like protein IRL685 and FETUB, is a secreted protein which belongs to the fetuin family. Fetuin-B / FETUB contains two cystatin domains. Fetuin-B is a member of the fetuin family, part of the cystatin

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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.