

Fetuin B Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75195
Synonyms:	Fetuin-B; 16G2; Fetuin-Like Protein IRL685; Gugu; FETUB
Species:	Mouse
Source:	HEK293
Accession:	Q9QXC1-1 (R19-P388)
Gene ID:	59083
Molecular Weight:	55-65 kDa

PROPERTIES

AA Sequence

R S P P A P P L P Q	R P L S P L H P L G	C N D S E V L A V A	G F A L Q N I N R D
Q K D G Y M L S L N	R V H D V R E H Y Q	E D M G S L F Y L T	L D V L E T D C H V
L S R K A Q K D C K	P R M F Y E S V Y G	Q C K A M F H I N K	P R R V L Y L P A Y
N C T L R P V S K R	K T H T T C P D C P	S P I D L S N P S A	L E A A T E S L A K
F N S K S P S K K Y	E L V K V T K A M N	Q W V S G P A Y Y V	E Y L I K E A P C T
K S Q A S C S L Q H	S D S E P V G I C Q	G S T V Q S S L R H	V P L I Q P V E K S
V T V T C E F F E S	Q A Q V P G D E N P	A V T Q G P Q K L P	Q K N T A P T S S P
S V T A P R G S I Q	H L P E L D D E K P	E E S K G G S P E E	A F P V Q L D L T T
N P Q G D T L D V S	F L Y L E P G D K K	L V V L P F P G K E	Q R S A E C P G P E
K E N N P L V L P P			

Appearance

Lyophilized powder

Formulation

Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 7.5.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Fetub protein is an essential protease inhibitor involved in the process of egg fertilization. Its primary role is to prevent the premature hardening of the zona pellucida before fertilization can take place. This is likely achieved through the inhibition

of ASTL, a protease responsible for cleaving ZP2 and initiating the hardening of the zona pellucida.

Caution: Product has not been fully validated for medical applications. For research use only.

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