Recombinant Cattle FETUB Protein, His-tagged

Cat. No. FETUB-2182C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle FETUB Protein (Thr19-Ser387) with a N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Thr19-Ser387
Description	Protease inhibitor required for egg fertilization. Required to prevent premature zona pellucida hardening before fertilization, probably by inhibiting the protease activity of ASTL, a protease that mediates the cleavage of ZP2 and triggers zona pellucida hardening (By similarity).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.5 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

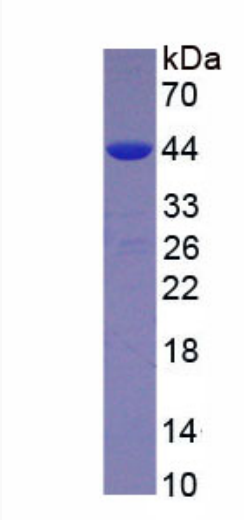
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FETUB fetuin B [Bos taurus (cattle)]
Official Symbol	FETUB
Synonyms	FETUB; fetuin B; fetuin-B
Gene ID	504615
mRNA Refseq	NM_001034218
Protein Refseq	NP_001029390
UniProt ID	Q58D62

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