Recombinant Cattle SERPINF1 Protein, His-tagged

Cat. No. SERPINF1-2686C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle SERPINF1 Protein (Ser33-Thr416) with a N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Ser33-Thr416
Description	Neurotrophic protein; induces extensive neuronal differentiation in retinoblastoma cells. Potent inhibitor of angiogenesis. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.6 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

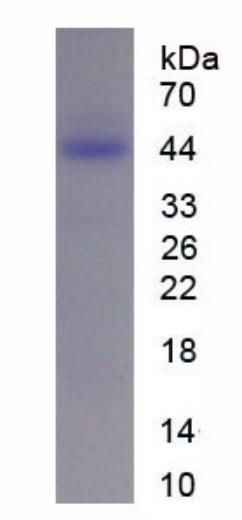
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration 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	SERPINF1 serpin family F member 1 [Bos taurus (cattle)]
Official Symbol	SERPINF1
Synonyms	SERPINF1; serpin family F member 1; PEDF; pigment epithelium-derived factor serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 serpin F1
Gene ID	281386
mRNA Refseq	NM_174140
Protein Refseq	NP_776565

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	Q95121



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA