Recombinant Cattle HSPB1 protein, His & T7-tagged

Cat. No. HSPB1-813C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle HSPB1 aa. (Met1~Lys201 (Accession # Q3T149)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Cattle
Source	E.coli
ProteinLength	Met1~Lys201
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.1kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.
Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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.

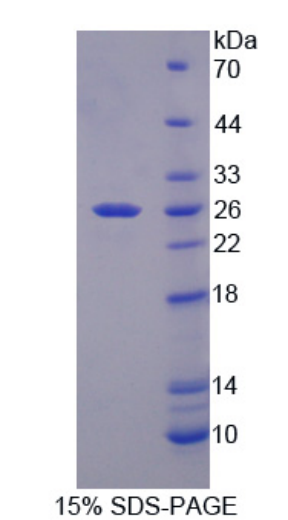
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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	HSPB1 heat shock protein family B (small) member 1 [Bos taurus (cattle)]
Official Symbol	HSPB1
Synonyms	HSP 27; heat shock 27 kDa protein 1; heat shock 27kDa protein 1; heat shock protein family B member 1 variant 1; heat shock protein family B member 1 variant 2; heat shock protein beta-1
Gene ID	516099
mRNA Refseq	NM_001025569.1
Protein Refseq	NP_001020740.1
UniProt ID	Q3T149

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SDS-PAGE	 15% SDS-PAGE

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