

## Recombinant Cattle HSPA1A protein, His-tagged

Cat. No. HSPA1A-1481C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cattle HSPA1A aa. (Met1~Asp641 (Accession # Q27975)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Cattle
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Asp641
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 71.8kDa.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method).
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.9.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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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<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

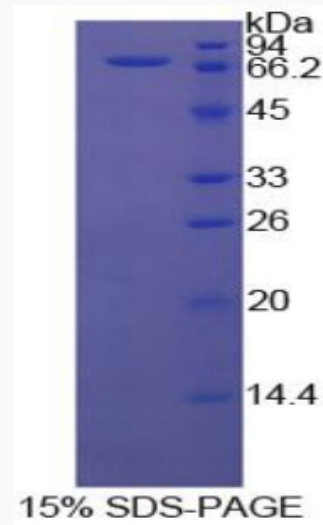
<b>Gene Name</b>	HSPA1A heat shock 70kDa protein 1A [ <i>Bos taurus</i> (cattle) ]
<b>Official Symbol</b>	HSPA1A
<b>Synonyms</b>	HSP70; HSPA1; HSPA2; HSPA1B; HSP70-1; HSP70-2; 70 kda heat shock protein-2; HSP70.1; HSP70.2; Heat Shock Protein 70; chaperone; heat shock 70 kD protein 1; heat shock 70 kD protein 2; heat shock 70 kDa protein 1; heat shock 70 kDa protein 1A; heat shock 70 kDa protein 2; heat shock 70kDa protein 1B; heat-shock 70-kilodalton protein 1A; heat-shock 70-kilodalton protein 1B; heat shock 70 kDa protein 1B
<b>Gene ID</b>	282254
<b>mRNA Refseq</b>	NM_203322.3
<b>Protein Refseq</b>	NP_976067.3
<b>UniProt ID</b>	Q27975

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SDS-PAGE



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