

RPB081Bo01 10µg

Recombinant Heat Shock 70kDa Protein 1A (HSPA1A)

Organism Species: *Bos taurus*; Bovine (Cattle)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Asp641

Tags: N-terminal His Tag

Subcellular Location:

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose and Proclin300.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.9

Predicted Molecular Mass: 71.5kDa

Accurate Molecular Mass: 70kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[SEQUENCE]

MAKNMAIGID	LGTTYSCVGV	FQHGKVEIIA	NDQGNRTTPS	YVAFTDTERL
IGDAAKNQVA	LNPQNTVFDA	KRLIGRKFGD	PVVQSDMKHW	PFRVINDGDK
PKVQVSYKGE	TKAFYPEEIS	SMVLTKMKEI	AEAYLGHPVT	NAVITVPAYF
NDSQRQATKD	AGVIAGLNLV	RIINEPTAAA	IAYGLDRTGK	GERNVLIFDL
GGGTFDVSIL	TIDDGIFEVK	ATAGDTHLGG	EDFDNRLVNH	FVEEFKRKHK
KDISQNKRAV	RRLRTACERA	KRTLSSSTQA	SLEIDSLFEG	IDFYTSITRA
RFEELCSDLF	RSTLEPVEKA	LRDAKLDKAQ	IHDLVLVGGS	TRIPKVQKLL
QDFFNGRDLN	KSINPDEAVA	YGAAVQAAIL	MGDKSENVQD	LLLLDVAPLS
LGLETAGGVM	TALIKRNSTI	PTKQTQIFTT	YSDNQPGVLI	QVYEGERAMT
RDNNLLGRFE	LSGIPPAPRG	VPQIEVTFDI	DANGILNVTA	TDKSTGKANK
ITITNDKGRL	SKEEIERMVQ	EAEKYKAEDE	VQRERVSANK	ALESYAFNMK
SAVEDEGLKG	KISEADKKKV	LDKCQEVISW	LDANTLAEKD	EFEHKRKELE
QVCNPIISRL	YQGAGGPGAG	GFGAQGPKGG	SGSGPTIEEV	D

[IDENTIFICATION]

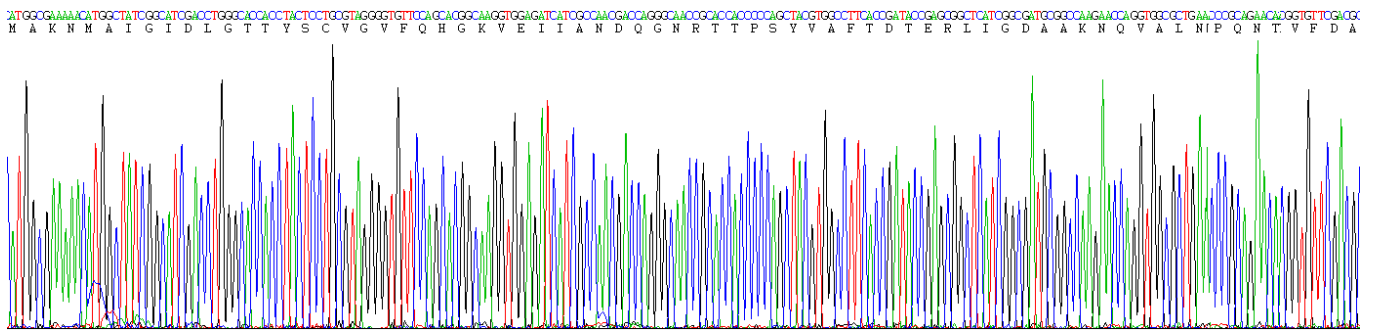
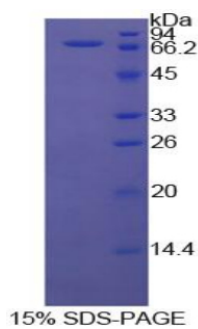


Figure. Gene Sequencing (Extract)



[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.