

Recombinant Heat Shock 70kDa Protein 1A (HSPA1A) Instruction Manual

SIPB053Bo01

Bos taurus; Bovine (Cattle)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	71.5kDa
Accurate Molecular Mass	70kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Asp641 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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

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

STORAGE

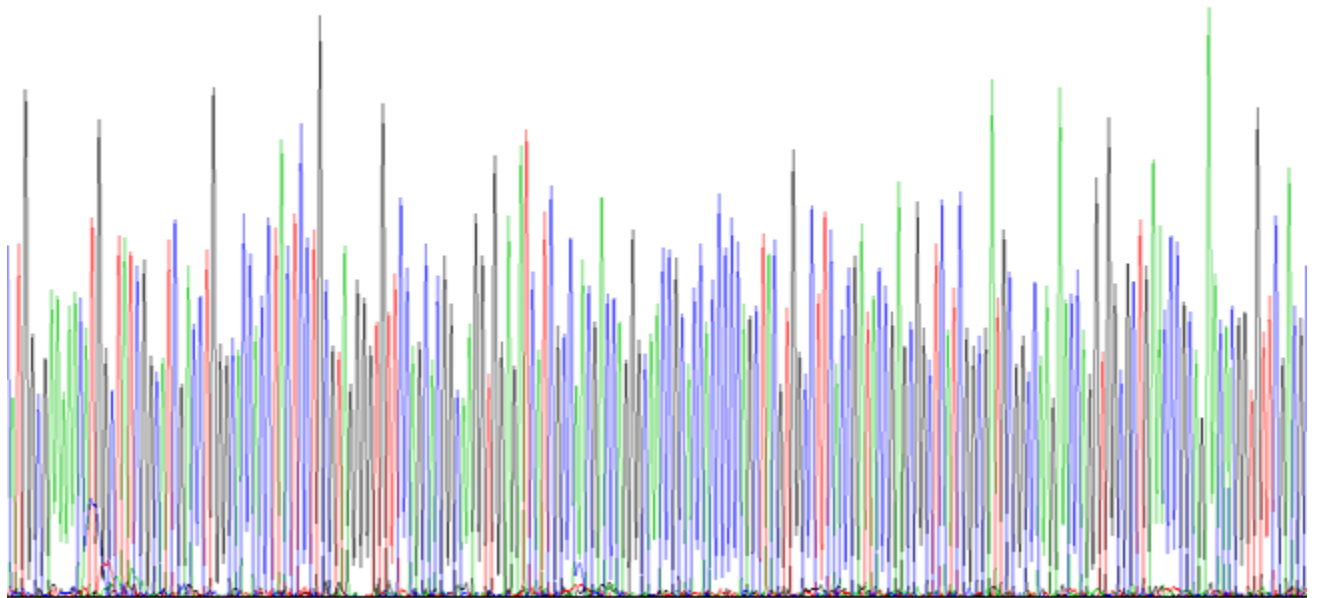
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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.

Image

ATGGGAAAGATGGCTATATGGAATGAGCTGGCCATGCACTACTCTGGTAGGGCTCTTCCAGAGGCAAGGCTGGAGTATGCTGCAAGCAAGGCTAATGGCAATCCCTGATGCTGGCTTAACTGATACCGAGGCTCATGCGGATGGCTCAGCAATCGAGTGGCTGAAATGCGAGCAAGCTCTGGAG
MAKKNNAIGIDLGTTTSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKNQVALNPQNTVFD A



SDS-PAGE Image

[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.