

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

SIPB053Po01

Sus scrofa; Porcine (Pig)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Nucleus, Cytoplasm
Predicted Molecular Mass	71.3kDa
Accurate Molecular Mass	71kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Asp641 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MAKVAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS SVAFTDTERL
IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQGMKHW PFRVINDGDK
PKVQVSYKGE TKGFYP EEIS SMVLTKMKEI AEGYLGHPVS NAVITVPAYF
NDSQRQATKD AGVIAGLNVL RIINEPTAAA IAYGLDRTGK GERNVLIFDL
GGGTFDVSIL TIDDGIFEVK ATAGDTHLGG EDFDNRLVNH FVEEFKRKHK
KDYSQNKRAV RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA
RFEELCSDLF RSTLEPVEKA LRDAKLDKAQ IHDLVLVGGG TRIPKVQKLL
QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS
LGLETAGGVM TALIKRNSTI PTKQTQIFTT YSDNQPGVLI QVYEGERAMT
RDNMLLGRFE LSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK
ITITNDKGR L SKEEIERMVQ EAEKYKAEDE IQRERVGAKN ALESYAFNMK
SVVEDEGLKG KISEADKKKV LDKCQEVISW LDANTLAEKD EFEHKRKELE
QVCNPIISGL YQGAGGPGPG GFGAPDLKGG SGSGPTIEEV D
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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



Figure. SDS-PAGE

[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.