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Recombinant Heat Shock 70kDa Protein 1A (HSPA1A)

Catalog Number: SIPB053Ra01 **Spec: 10ug**

Product Name	Recombinant Heat Shock 70kDa Protein 1A (HSPA1A)
Catalog Number	SIPB053Ra01
Organism Species	Rat
Source	Prokaryotic expression
Host	E.coli
Residues	Met1~Asp641
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Cytoplasm
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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	5.6
Predicted Molecular Mass	71.4kDa
Accurate Molecular Mass	71kDa 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 2-8ºC for one month.

Aliquot and store at -80ºC 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]

MAKKTAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS YVAFTDTERL
IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFQVVNDGDK
PKVQVNYKGE NRSFYPEEIS SMVLTKMKEI AEAYLGHPVT NAVITVPAYF
NDSQRQATKD AGVIAGLNVL RIINEPTAAA IAYGLDRTGK GERNVLIFDL
GGGTFDVSIL TIDDGIFEVK ATAGDTHLGG EDFDNRLVSH FVEEFKRKHK
KDISQNKRAV RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA
RFEELCSDLF RGTLEPVEKA LRDAKLDKAQ IHDLVLVGGS TRIPKVQKLL
QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS
LGLETAGGVM TALIKRNSTI PTKQTQTFTT YSDNQPGVLI QVYEGERAMT
RDNNLLGRFE LSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK
ITITNDKGRL SKEEIERMVQ EAERYKAEDE VQRERVAAKN ALESYAFNMK
SAVEDEGLKG KISEADKKKV LDKCQEVISW LDSNTLAEKE EFVHKREELE
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[IDENTIFICATION]

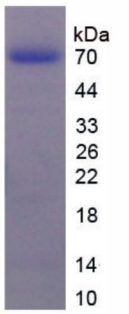

Figure. SDS-PAGE

[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.