

Heat Shock 70kDa Protein 1A (HSPA1A) Recombinant Protein | HSPA1A recombinant protein

Recombinant Heat Shock 70kDa Protein 1A (HSPA1A)

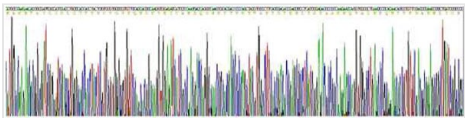
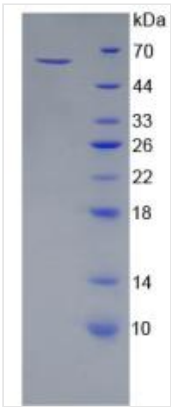
CATALOG # AAA134645	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Heat Shock 70kDa Protein 1A (HSPA1A); Recombinant Heat Shock 70kDa Protein 1A (HSPA1A); HSPA1A recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for HSPA1A recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Met1~Ala541
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	6.2
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree 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 degree 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.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

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MAKNTAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS YVAFDTERL
IGDAANKQVA LNPQNTVFDA KRLIGRFKGD AVVQSDMKHW PFQVVNDGDK
PKVQVNYKGE SRSFFPEEIS SHVLTKMKEI AEAYLGHPVT NAVITVPAYF
NDSQRQATKD AGVIAGLNLV RIINEPTAA IAYGLDRTGK GERNVLIFDL
GGGTFDVSIL TIDDGIFEVK ATAGDTHLGG EDFDNRLVSH FVEEFKRKHK
KDISQNKRAV RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA
RFEELCSDLF RGTLEPVEKA LRDAKMDKAO IHDLVLVGGS TRIPKVOKLL
QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS
LGLETAGGVM TALIKRNSTI PTKQTQFTT YSDNQPGVLI QVYEGERAMT
RDNNLLGRFE LSGIPAPPRG VPQIEVTFDI DANGILNVT A TDKSTGKANK
ITITNDKGRL SKEEIERMVQ EAERYKAEDE VQRDRVAASN A
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	124339829
NCBI GeneID	193740
NCBI Accession #	NP_034609.2
NCBI GenBank Nucleotide #	NM_010479.2
UniProt Accession #	Q61696; Q61697; Q7TQD8; Q9QWJ5
Molecular Weight	Predicted Molecular Mass: 60.8kDa Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	heat shock 70 kDa protein 1A
NCBI Official Synonym Full Names	heat shock protein 1A
NCBI Official Symbol	Hspa1a
NCBI Official Synonym Symbols	Hsp72; hsp68; Hsp70-3; Hsp70.3; hsp70A1
NCBI Protein Information	heat shock 70 kDa protein 1A; 68 kDa heat shock protein; heat shock 70 kDa protein 3; heat shock 70kDa protein 1A; heat shock protein, 70 kDa 3; inducible heat shock protein 70
UniProt Protein Name	Heat shock 70 kDa protein 1A
UniProt Gene Name	Hspa1a
UniProt Synonym Gene Names	Hsp70-3; Hsp70A1; HSP70.3
UniProt Entry Name	HS71A_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.