

HSC70 recombinant protein

HSC70, 1-646aa, Human, His tag, E Coli

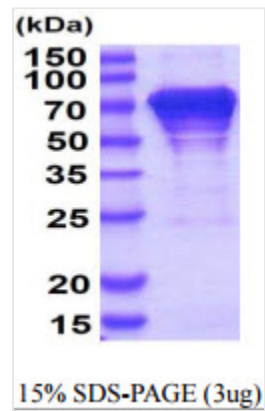
CATALOG # AAA48609	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

HSC70; 1-646aa; Human; His tag; E Coli; Heat shock 70 kDa protein 8; HSPA8; HSC54; HSC71; HSP71; HSP73; HSPA10; LAP1; NIP71; heat shock 70kDa protein 8; HSC70 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSKGPAVGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS YVAFDTERL IGDAAKNQVA MNPTNTVFDA KRLIGRRFDD AVVQSDMKHW PFMVVNDAGR PKVQVEYKGE TKSFYPEEVS SMVLTKMKEI AEAYLGKTVT NAVVTVPAYF NDSQRQATKD AGTIAGLNVL RIINEPTAAA IAYGLDKKVG AERNVLIFDL GGGTFDVSIL TIEDGIFEVK STAGDTHLGG EDFDNRMVNH FIAEFKRKHK KDISENKRAV RRLRTACERA KRTLSSSTQA SIEIDSLYEG IDFYTSITRA RFEELNADLF RGTLDPVEKA LRDAKLDKSQ IHDIVLVGGS TRIPKIQKLL QDFFNGKELN KSINPDEAVA YGAAVQAAIL SGDKSENVQD LLLLDVTPLS LGIETAGGVM TVLIKRNNTI PTKQTQTFTT YSDNQPGVLI QVYEGERAMT KDNNLLGKFE LTGIPPAPRG VPQIEVTFDI DANGILNVSA VDKSTGKENK ITITNDKGRL SKEDIERMVQ EAEKYKAEDE KQRDKVSSKN SLESYAFNMK ATVEDEKLQG KINDEDKQKI LDKCNEIINW LDKNQTAKEE EFEHQQKELE KVCNPIITKL YQSAGGMPGG MPGGFPGGGA PPSGGASSGP TIEEVD
Sequence Length	646
Applicable Applications for HSC70 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for HSC70 recombinant protein	HSC70, also known as heat shock 70 kDa protein 8, belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This protein is a heat-shock cognate protein. HSC70 binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Recombinant HSC70 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HSC70 recombinant protein	Heat Shock Proteins
References	Tsukahara F., et al. (2000) Mol Pharmacol. 58 (6):1257-63. ; Dworniczak B., et al. (1987) Nucleic Acides Res. 15 (13):5181-97.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729877
NCBI GeneID	3312
NCBI Accession #	NP_006588
NCBI GenBank Nucleotide #	NM_006597.5
UniProt Accession #	P11142; Q9H3R6
Molecular Weight	73.1 kDa (666aa)
NCBI Official Full Name	heat shock cognate 71 kDa protein isoform 1
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 8
NCBI Official Symbol	HSPA8
NCBI Official Synonym Symbols	LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p
NCBI Protein Information	heat shock cognate 71 kDa protein
UniProt Protein Name	Heat shock cognate 71 kDa protein
UniProt Gene Name	HSPA8
UniProt Synonym Gene Names	HSC70; HSP73; HSPA10; LAP-1; LPS-associated protein 1

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.

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Online datasheet: <https://stage.aaabiotech.com/hspa8-recombinant-protein-e-coli-sds-page/48609>