

Product information



HSC70, 1-646 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0415

Full name: Heat shock 70 kDa protein 8

NCBI Accession No.: NP_006588

Synonyms: HSPA8, HSC54, HSC71, HSP71, HSP73, HSPA10, LAP1, NIP71.

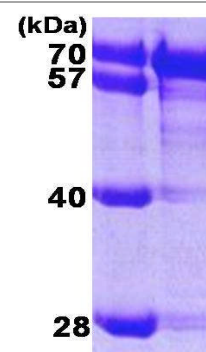
Description: HSC70, also known as heat shock 70 kDa protein 8, belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This protein is a heat-shock cognate protein. HSC70 binds to nascent polypeptides 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.

Form: Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol.

Molecular Weight: 73.1 kDa (666aa)

Purity: > 90% by SDS – PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSKGPAVGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS YVAFDTERL IGDAAKNQVA MNPTNTVFDA
KRLIGRRFDD AVVQSDMKHW PFMVVNDAGR PKVQVEYKGE TKSFPYEEVS SMVLTKMKEI AEAYLGKTVT NAVVTVPAYF NDSQRQATKD
AGTIAGLNVL RIINEPTAAA IAYGLDKKVG AERNVLIFDL GGGTFDVSIL TIEDGIFEVK STAGDTHLGG EDFDNRMVNH FIAEFKRKHK
KDISENKRAV RRLRTACERA KRTLSSSTQA SIEIDSLYEG IDFYTSITRA RFEELNADLF RGTLDPVEKA LRDAKLDSQ IHDIVLVGGS
TRIPKIQKLL QDFFNGKELN KSINPDEAVA YGAAVQAAIL SGDKSENVQD LLLLDVTPLS LGIETAGGVM TVLIKRNNTI PTKQTQTFTT
YSDNQPGVLI QVYEGERAMT KDNLLGKFE LTGIPPAPRG VPQIEVTFDI DANGILNVSA VDKSTGKENK ITITNDKGRL SKEDIERMVQ
EAEKYKAED E KQRDKVSSKN SLESYAFNMK ATVEDEKLQG KINDEDKQKI LDKCNEIINW LDKNQTAKE EFEHQKKELE KVCNPIITKL
YQSAGGMPGG MPGGFPGGGA PPSGGASSGP TIEEVD

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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General references:

Tsukahara F., *et al.* (2000) *Mol Pharmacol.* 58(6):1257-63.

Dworniczak B., *et al.* (1987) *Nucleic Acides Res.* 15(13):5181-97.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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