

Recombinant human HSPA8/HSC71 protein

Catalog Number: ATGP0415

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-646aa

UniProt No.

P11142

NCBI Accession No.

NP_006588.1

Alternative Names

Heat shock 70 kDa protein 8, HSPA8, HSC54, HSC71, HSP71, HSP73, HSPA10, LAP1, NIP71, Heat shock 70 kDa protein 8, heat shock 70kDa protein 8, HSC70

PRODUCT SPECIFICATION

Molecular Weight

73.1 kDa (666aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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conventional chromatography techniques.

Amino acid Sequence

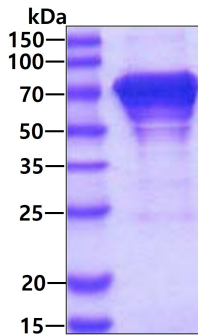
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AEAYLGKTVT NAVVTVPAYF NDSQRQATKD AGTIAGLNLV RIINEPTAAA IAYGLDKKVG AERNVLIFDL GGGTFDVSIL
TIEDGIFEVK STAGDTHLGG EDFDNRMVNH FIAEFKRKHK KDISENKRAV RRLRTACERA KRTLSSSTQA SIEIDSLYEG
IDFYTSITRA RFEELNADLF RGTLDPEKA LRDALDKSQ IHDIVLVGGS TRIPKIQKLL QDFFNGKELN KSINPDEAVA
YGAAVQAAIL SGDKSENVQD LLLLDVTPLS LGIETAGGVM TVLIKRNNTI PTKQTQFTT YSDNQPGVLI QVYEGERAMT
KDNNLLGKFE LTGIPPAPRG VPQIEVTFDI DANGILNVSA VDKSTGKENK ITITNDKGRL SKEDIERMVQ EAEKYKAEDE
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YQSAGGMPGG MPGGFPGGGA PPSGGASSGP TIEEVD

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.

DATA

SDS-PAGE



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