

HSC70, 1-646aa, Human, His-tag, E.coli

Cat.NO.: TP02507

3th Edition

Synonyms:Heat shock 70 kDa protein 8, 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.

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

Molecular Weight:73.1 kDa (666aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMSKGPVAVGIDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYVAFTDTERLIGDAAK
NQVAMNPTNTVFDKRLIGRRFDDAVVQSDMKHWPFMVNDAGRPKVQVEYKGETKSFYPEEVSSMVLTKMKEI
AEAYLGKTVTNAVVTVPAYFNDSQRQATKDAGTIAGLNVLRIINEPTAAAIAYGLDKKVGAEARNVLIFDLGGGTFDVS
LTIEDGIFEVKSTAGDTHLGGEDFDNRMVNHFAEFKRKHKKDISENKRAVRRRLTACERAKRTLSSSTQASIEIDSL
YEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSIHQHDIIVLVGGSTRIPKIQKLLQDFFNGKELNKSINPDE
AVAYGAAVQAAILSGDKSENVQDLLLLDVTPSLGIETAGGVMVLIKRNTTIPTKQTQTFTTYSDNQPGVLIQVYEG
ERAMTKDNLLGKFEELTGIPPAPRGVPQIEVTFDIDANGILNVSVDKSTGKENKITITNDKGRLSKEDIERMVQAE
KYKAEDEKQRDKVSSKNSLESYAFNMKATVEDEKLQGGKINDEDKQKILDKCNEIINWLDKNQTAEKEEFEHQKEL
EKVCNPIITKLYQSAGGMPGGMPGGFPGGGAPPSGGASSGPTIEEVD

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.