

Certificate of Analysis

Recombinant Human Heat Shock 70kDa Protein-8 HSPA8 Human

Cat # **AAA10869**
Lot # 916PHSPA8
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Synonyms	LAP1, HSC54, HSC70, HSC71, HSP1, HSP73, NIP71, HSPA10, MGC29929, MGC131511, HSPA8, Heat shock cognate 71 kDa protein, Heat shock 70 kDa protein 8.
Description	Recombinant Human HSC70 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 666 amino acids (1-646 a.a.) and having a molecular mass of 73.1kDa. HSC70 human recombinant is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.
Source	Escherichia Coli.
Physical Appearance	Sterile filtered colorless solution.
Formulation	The HSC70 protein solution (1mg/ml) contains 20mM Tris, pH-8 & 10% Glycerol.
Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Purity	Greater than 90.0% as determined by SDS-PAGE.
Amino acid sequence	<u>MGSSHHHHHH SSGLVPRGSH</u> MSKGPAVGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS YVAFTDTERL 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 TVLIKRNTTI PTKQTQTFTT YSDNQPGVLI QVYEGERAMT KDNLLGKFE LTGIPPAPRG VPQIEVTFDI DANGILNVSA VDKSTGKENK ITITNDKGRL SKEDIERMVQ EAEKYKAEDE KQRDKVSSKN SLESYAFNMK ATVEDEKLQG KINDEDKQKI LDKCNEIINW LDKNQTAEKE EFEHQQKELE KVCNPIITKL YQSAGGMPGG MPGGFPGGGA PPSGGASSGP TIEEVD.