

## 32-5305: Recombinant Human Dnak (HSP70), His Tag

**Alternative** Heat shock 70 kDa protein, heat shock 70kDa protein

**Name :** 1A, HSP70.1, HSP70-1/HSP70-2, HSPA1A, HSPA1, HSPA1B, HSP72, HSP70I, HSP70-1, FLJ54303, FLJ54370, FLJ54392, FLJ54408, FLJ75127, HSP70-1A.

### Description

Source : Escherichia Coli. HSP 70kDa produced in E.Coli is a single, non-glycosylated polypeptide chain (1-641 a.a.) containing 661 amino acids fused to a 20 a.a. His-tag at N-terminus and having a total Mw of 72.2 kDa. HSP70 is a human heat shock protein. HSP-70 is an important part of the cell's machinery for protein folding, and help to protect cells from stress. In most species, there are many proteins that belong to the HSP70 family. Some of these are only expressed under stress conditions, while some are present in cells under normal growth conditions and are not heat-inducible. They can be found in different cellular compartments (nuclear, cytosolic, mitochondrial, endoplasmic reticulum, etc...).

### Product Info

<b>Amount :</b>	50 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The Heat Shock Protein 70kDa contains 20mM Tris-HCl pH7.5 and 2mM DTT at a concentration of 1mg/ml.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH MAKAAAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPSYVAFTDTERL IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFQVINDGDKPKVQVSYKGD TKAFYPPEEIS SMVLTKMKEI AEAYLGYPT NAVITVPAYF NDSQRQATKDAGVIAGLNLV RIINEPTAAA IAYGLDRTGK GERNVLIFDL GGGTFDVSIL TIDDGIFEVKATAGDTHLGG EDFDNRLVNH FVEEFKRKHK KDISQNKRAV RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA RFEELCSDLF RSTLEPVEKA LRDAKLDKAQ IHDLVLVGGG TRIPKVQKLL QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLSLGLTAGGVM TALIKRNSTI PTKQTQIFTT YSDNQPGVLI QVYEGERAMT KDNNLLGRFELSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK ITITNDKGRLL SKEEIERMVQEAKEYKAEDE VQRERVSASN ALESYAFNMK SAVEDEGLKG KISEADKKKV LDKCQEVISW LDANTLAEKD EFEHKRKELE QVCNPIISGL YQGAGGPGPG GFGAQGPKGG SGSGPTIEEVD.

