

RPPB5213

Product Information Protein Information

Product SKU:

RPPB5213

Accession:

P08107

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Heat shock 70 kDa protein, heat shock 70kDa protein 1A, HSP70.1, HSP70-1/HSP70-2, HSPA1A, HSPA1, HSPA1B, HSP72, HSP70I, HSP70-1, FLJ54303, FLJ54370, FLJ54392, FLJ54408, FLJ75127, HSP70-1A.

Formulation:

The Heat Shock Protein 70kDa contains 20mM Tris-HCl pH7.5 and 2mM DTT at a concentration of 1mg/ml.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MAKAAAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPSYVAFTDTERL
IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFQVINDGDGPKVQVSYKGD TKAFYPPEIS
SMVLTKMKEI AEAYLGYPVT NAVITVPAYF NDSQRQATKDAGVIAGLNVL RIINEPTAAA IAYGLDRTGK
GERNVLIFDL GGGTFDVSIL TIDDGIFVKATAGDTHLGG EDFDNRLVNH FVEEFKRKHK KDISQNKRAV
RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA RFEELCSDLF RSTLEPVEKA LRDAKLDKAQ
IHDLVLVGGG TRIPKVQKLL QDFFNDRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD
LLLLDVAPLSLGLTAGGVM TALIKRNSTI PTKQTQIFTT YSDNQPGVLI QVYEGERAMT
KDNLLGRFELSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK ITITNDKGRL
SKEEIERMVQEAKEYKAEDE VQRERSAKN ALESYAFNMK SAVEDEGLKG KISEADKKKV LDKCQEVISW
LDANTLAEKD EFEHKRKELE QVCNPIISGL YQGAGGPGPG GFGAQGPKGG SGSGPTIEEVD.