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# HSPA8 Human

**Catalog #:**HYPS-033

For research use only.

**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 20 amino acid His Tag at N-terminus and purified by convential chromatogrpahy techniques.

**Synonyms:**LAP1, HSC54, HSC70, HSC71, HSP1, HSP73, NIP71, HSPA10, MGC29929, MGC131511, HSPA8, Heat shock cognate 71 kDa protein, Heat shock 70 kDa protein 8.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MSKGPAVGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS YVAFTDTERL IGDAAKNQVA MNPTNTVFDA KRLIGRRFDD AVVQSDMKHW PFMVVNDAGR PKVQVEYKGE TKSFYPEEVS SMVLTKMKEI AEAYLGKTVT NAVVTVPAYF NDSQRQATKD AGTIAGLNVL RIINEPTAAA IAYGLDKKVG AERNVLIFDL GGGTFDVSIL TI

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**
The HSC70 protein solution 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.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**
HSPA8 is part of the heat shock protein 70 family which includes both heat-inducible and constitutively expressed proteins (heat-shock cognate proteins). HSPA8 is a heat-shock cognate protein that binds to nascent polypeptides to facilitate correct folding. HSPA8 plays a role as an ATPase in the disassembly of clathrin-coated vesicles throμgh transport of membrane components throμgh the cell. HSPA8 is expressed in colon cancer cells, HSPA8 takes part in reovirus outer capsid disassembly, throμgh membrane penetration, to plan the entering particle for gene expression and replication. serum HSPA8 concentrations are reduced in normal human pregnancy. HSPA8 plays a role in androgen action on dermal papilla cells. HSPA8 is directly linked with Influenza virus matrix protein 1 and thus required for viral production.

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