

## HSPA6 Human

**Description:** Recombinant Human HSPA6 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 663 amino acids (1-643 a.a) and having a molecular mass of 73.2kDa. HSPA6 human recombinant is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.

**Catalog #:** HYP5-035

For research use only.

**Synonyms:** HSP70B, Heat shock 70 kDa protein 6, Heat shock 70 kDa protein B', HSPA6.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MQAPRELAVG IDLGTTYSCV  
GVFQQGRVEI LANDQGNRTT PSYVAFTDTE RLVGDAKSQ AALNPHNTVF DAKRLIGRKF  
ADTTVQSDMK HWPFRVSEGE GKPKVRVCYR GEDKTFYPEE ISSMVLKMK ETAEAYLGQP  
VKHAVITVPA YFNDQRQAT KDAGAIAGLN VLRINEPTA AAIAYGLDRR GAGERNVLIF  
DLGGGTFDVS VL

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

**Formulation:**

The HSPA6 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl & 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 drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

HSPA6 is a distinctive member of the human Hsp70 chaperone that takes part in cellular processes such as protein trafficking, folding, and prevention of aggregation. HSPA6 is strictly stress-inducible, having little or no basal expression levels in most cells. HSPA6 and HSP72 are involved in cell survival of proteotoxic stress.

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