

## Recombinant Human HSPA8 Protein, His-tagged

**Cat. No.** HSPA8-069H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant N-terminal Histidine-tagged full length human Hsc70 protein (2-646) was purified from E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 2-646                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 72.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | ≥90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | ≥ 1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | At -80 centigrade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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**Storage Buffer** 50 mM HEPES, pH 8.0, and 150 mM sodium chloride

## GENE INFORMATION

**Gene Name** HSPA8 heat shock protein family A (Hsp70) member 8 [ Homo sapiens (human) ]

**Official Symbol** HSPA8

**Synonyms** HSPA8; heat shock protein family A (Hsp70) member 8; LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p; heat shock cognate 71 kDa protein; LPS-associated protein 1; N-myristoyltransferase inhibitor protein 71; constitutive heat shock protein 70; epididymis luminal protein 33; epididymis secretory sperm binding protein Li 72p; heat shock 70kDa protein 8; heat shock 70kd protein 10; heat shock cognate protein 54; lipopolysaccharide-associated protein 1; EC 3.6.4.10

**Gene ID** 3312

**mRNA Refseq** NM\_006597

**Protein Refseq** NP\_006588

**MIM** 600816

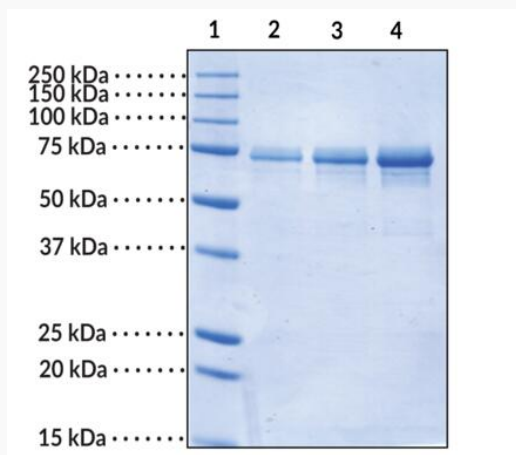
**UniProt ID** P11142

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**SDS-PAGE analysis  
of Hsc70**



Lane 1: MW Markers

Lane 2: Hsc70 (1 µg)

Lane 3: Hsc70 (2 µg)

Lane 4: Hsc70 (4 µg)