# Recombinant Human Hsc70 protein, GST-tagged

**Cat. No.** Hsc70-30123H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human Hsc70 (288-587 aa) protein, fused to GST tag, was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Gln288-Asp587 |
| **Form** | The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |
| **AA Sequence** | QKLLQDFFNGKELNKSINPDEAVAYGAAVQAAILSGDKSENVQDLLLLDVTPLSLGIE TAGGVMTVLIKRNTTIPTKQTQTFTTYSDNQPGVLIQVYEGERAMTKDNNLLGKFELT GIPPAPRGVPQIEVTFDIDANGILNVSAVDKSTGKENKITITNDKGRLSKEDIERMVQE AEKYKAEDEKQRDKVSSKNSLESYAFNMKATVEDEKLQGKINDEDKQKILDKCNEIIN WLDKNQTAEKEEFEHQQKELEKVCNPIITKLYQSAGGMPGGMPGGFPGGGAPPSG GASSGPTIEEVD |
| **Purity** | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Stability** | Store for up to 12 months at -20°C to -80°C as lyophilized powder. |
| **Storage** | Short-term storage: Store at 2-8°C for (1-2 weeks). |

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| | Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles. |
| **Reconstitution** | Reconstitute at 0.25 ḡ/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage. |

## GENE INFORMATION

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| **Gene Name** | HSPA8 heat shock protein family A (Hsp70) member 8 [ Homo sapiens (human) ] |
| **Official Symbol** | Hsc70 |
| **Synonyms** | HSPA8; LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p |
| **Gene ID** | 3312 |
| **mRNA Refseq** | NM_00659 |
| **Protein Refseq** | NP_006588 |
| **MIM** | 600816 |
| **UniProt ID** | P11142 |

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