

Active Recombinant Human HSPA1A protein, His-tagged

Cat. No. HSPA1A-6950H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSPA1A protein(NP_005337.2)(Ala2-Asp641), fused with His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Ala2-Asp641
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glyPlease contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind human PARP1 in a functional ELISA.2. Measured by its ability to bind mouse PARP1 in a functional ELISA.
Molecular Mass	The recombinant human HSPA1A consists of 658 amino acids and predicts a molecular mass of 72.2 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [HSPA1A heat shock 70kDa protein 1A \[Homo sapiens \]](#)

Official Symbol [HSPA1A](#)

Synonyms

HSPA1A; heat shock 70kDa protein 1A; heat shock 70kD protein 1A , HSPA1; heat shock 70 kDa protein 1A/1B; HSP70 1; HSP70-1/HSP70-2; HSP70.1/HSP70.2; heat shock 70kD protein 1A; heat shock-induced protein; heat shock 70 kDa protein 1/2; dnaK-type molecular chaperone HSP70-1; HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A; FLJ54303; FLJ54370; FLJ54392; FLJ54408; FLJ75127;

Gene ID [3303](#)

mRNA Refseq [NM_005345](#)

Protein Refseq [NP_005336](#)

MIM [140550](#)

UniProt ID [P08107](#)

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