Active Recombinant Human HSPA1A protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human HSPA1A protein(P08107) (Ala 2-Asp 641) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	2-641 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.
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. It migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

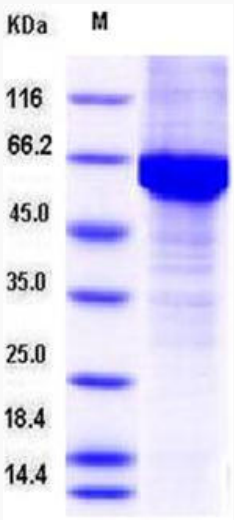
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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SDS-PAGE	

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