

Recombinant Rat HSPA1A protein, His-tagged

Cat. No. HSPA1A-2944R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat HSPA1A protein(NP_114177.2)(Ala2-Asp641), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Ala2-Asp641
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant rat HSPA1A consists of 651 amino acids and predicts a molecular mass of 71.6 kDa. It migrates as an approximately 65.1 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % 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 be aliquoted 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 70kD protein 1A [*Rattus norvegicus*]

Official Symbol HSPA1A

Synonyms HSPA1A; heat shock 70kD protein 1A; heat shock 70 kDa protein 1A/1B; HSP70.1/2; HSP70-1/HSP70-2; HSP70.1/HSP70.2; heat shock protein 70-1; heat shock 70 kDa protein 1/2; HSP72; Hspa1; Hspa1b; Hsp70-1;

Gene ID 24472

mRNA Refseq NM_031971

Protein Refseq NP_114177

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