

Human HSP70/HSPA1A (His Tag) recombinant protein



Catalog Number: 504637

General Information

Gene Name Synonym

Heat shock 70 kDa protein 2; HSP70-2; HSP70.2

Protein Construction

A DNA sequence encoding the human HSPA1A (NP_005337.2) (Ala2-Asp641) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

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.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

His

Molecular Mass

The recombinant human HSPA1A consists of 658 amino acids and predicts a molecular mass of 72.2 kDa.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

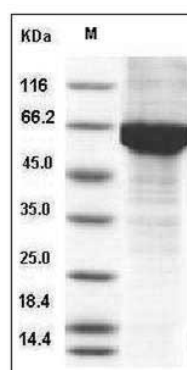
Storage

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.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human HSP70 / HSPA1A Protein (His Tag) SDS-PAGE