

Catalog Number: 230-00551

Recombinant Human heat shock 70 kDa 1A/1B**Source**

Species	Human
Accession Number	P08107
Gene Symbol	HSPA1A
Expressed Region	Ala2-Asp641
Synonyms	Heat shock 70 kDa protein 1A/1B, HSP70-1/HSP70-2

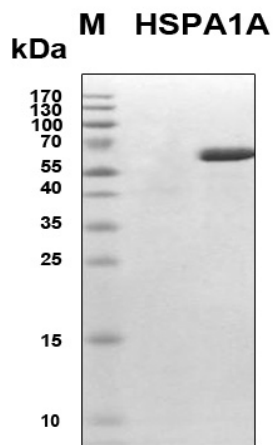
Preparation

Expression System	E.Coli
Tag	N-terminal 6x histidine tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	> 95%
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	70

Protein Specifications

Format	Liquid
Formulation	Supplied as a 0.2 µm filtered solution in PBS.
Concentration	Lot specific (see the label on the vial)
Preservative	None
Endotoxin Level	Not determined
Recommended Applications	ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array

SDS-PAGE Image

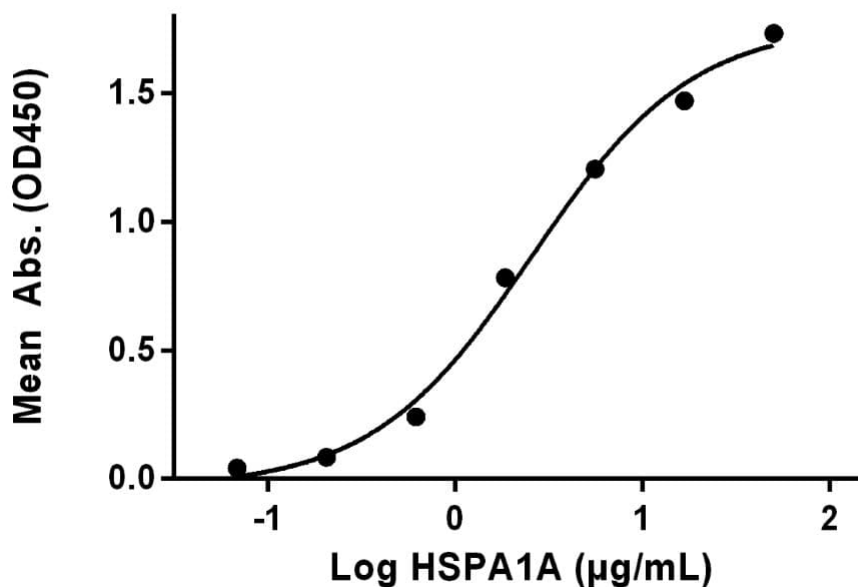


Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant S100A1 at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human HSPA1A with EC_{50} at 2.5 $\mu\text{g/mL}$.

Human S100A1, His Tag ELISA

0.1 μg of Human S100A1, His Tag per well



Shipping

Ice packs

Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4 $^{\circ}\text{C}$. For long term storage, it is recommended to store at -20 $^{\circ}\text{C}$ or -80 $^{\circ}\text{C}$ in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.