

Recombinant Human HSPA1A

Source

Species	Human
Accession Number	P0DMV8
Gene Symbol	HSPA1A
Expressed Region	Ala2-Asp641
Synonyms	Heat shock 70 kDa protein 1A (Heat shock 70 kDa protein 1) (HSP70-1) (HSP70.1)

Preparation

Expression System	Human Embryonic Kidney 293 Cells
Tag	N-terminal 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	Recombinant protein product has a calculated molecular mass of 70 kDa. The purified product showed one reduced 55 kDa protein band in SDS-PAGE with abundant glycosylation. See deglycosylation analysis image below.

Protein Specifications

Format	Liquid
Formulation	Supplied as a 0.2 um filtered solution in PBS (pH 7.4) with 1% mannitol and 5% trehalose
Concentration	Lot specific (see the label on the vial), determined by Bradford protein assay
Endotoxin Level	0.5 EU per ug of the protein as determined by the LAL method

SDS-PAGE Image

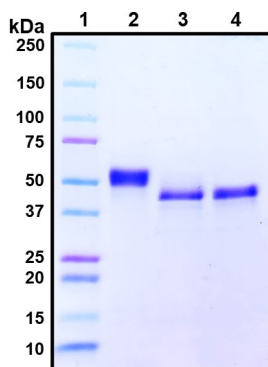


Figure 1. Deglycosylation analysis of purified recombinant proteins. Lane 1, protein ladder (kDa). Lane 2, glycosylated protein (delivered to customers). Lanes 3 and 4, deglycosylated proteins under native and denature conditions respectively.

Shipping

Ice packs

Storage/Stability

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

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.