

Recombinant Human HSPA1A Protein (His Tag)

Catalog No. PKSH033820

Note: Centrifuge before opening to ensure complete recovery of vial contents.

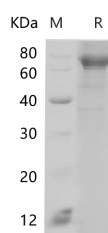
Description

Synonyms	heat shock protein family A (Hsp70) member 1A, heat shock protein family A (Hsp70) member 1B, HSP70-1B, HSP70-2, HSP70.2
Species	Human
Expression Host	E.coli
Sequence	Ala2-Asp641
Accession	PODMV8-1
Calculated Molecular Weight	69.9 kDa
Observed molecular weight	72.22 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In

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conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.