

Enzymax, LLC

870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: HSP70 (His tagged)
Catalog no#: 142
Size: 50 µg

Order: info@enzymax.net
Tel: 859-219-8482
Fax: 859-219-0653
Web: www.enzymax.net

Product: Active HSP70, recombinant protein with N-terminal 6xHis tag.

GeneBank Accession Number:
[BC002453](https://www.ncbi.nlm.nih.gov/nuclot/BC002453)

Product Description: Homo sapiens heat shock 70 kDa protein 1A. Recombinant full length human Hsp70 (aa 1-641) with 6xHis tag at N-terminus. Swiss ID = P08107

Source: Recombinant human HSP70 expressed in *E. coli*.

Applications: ATP Activity Assay, ELISA standard, WB control, Binding Assay

Molecular Weight: 70 kDa

Presentation:
Purified HSP70 in 20 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 5 mM MgCl₂.

Biologic activity:

HSP70 with His tag has ATPase activity at the time of manufacture of 3.3µM phosphate liberated/hr/µg protein in a 200 µl reaction at 37°C (pH7.5) in the presence of 20 µl of 1 mM ATP using a Malachite Green assay.

Purity: near homogeneity by SDS-PAGE and Coomassie blue staining.

Storage:

Stable for 2 years at -70°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.

SDS-PAGE gel picture:



Purified human HSP70 (His tag) protein.

The protein (300 ng) was analyzed by electrophoresis on a 12.5% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. The HSP70 protein band was confirmed by Western blot analysis. Protein size markers are indicated on the left.

