

Enzymax, LLC
870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: HSP70
Catalog no#: 141
Size: 50 µg

Order: info@enzymax.net
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Product: Active human HSP70,
recombinant protein

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

Product Description: Homo sapiens heat shock 70 kDa protein 1A. Recombinant full length human HSP70 (aa 1-641) without tag. Swiss ID = P08107

Source: Recombinant human HSP70 (without tag) 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 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

Storage:

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

SDS-PAGE gel picture:

kDa



Purified human HSP70 protein (no tag).

The protein (200 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.