# Enzymax, LLC

## 870 Corporate Drive, suite 201 Lexington, KY 40503

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

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

**Product Information** 

\*

**Product:** Active human HSP70, recombinant protein

# GeneBank Accession Number: 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  $3.3\mu$ M 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.

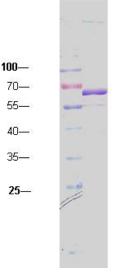
Purity: near homogeneity by SDS-PAGE

#### Storage:

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

### **SDS-PAGE** gel picture:

### <u>kDa</u>



# 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.