

# Enzymax, LLC

870 Corporate Drive, suite 201  
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# Product Information

**Product Name:** GRP78

**Catalog no#:** 132

**Size:** 100 µg

**Order:** [order@enzymax.net](mailto:order@enzymax.net)

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**Product:** Active GRP78, recombinant protein.

**GeneBank Accession Number:**

[BC020235](https://www.ncbi.nlm.nih.gov/nuclot/BC020235)

**Product Description:** Homo sapiens heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa). Recombinant full length (aa 1-654) human GRP78 BiP Protein with His tag. Swiss ID =P11021.

**Source:** Recombinant human GRP78 expressed in *E. coli*.

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

**Molecular Weight:** 78 kDa

**Presentation:**

Purified GRP78 in 20 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 5 mM MgCl<sub>2</sub>.

**Enzyme activity:**

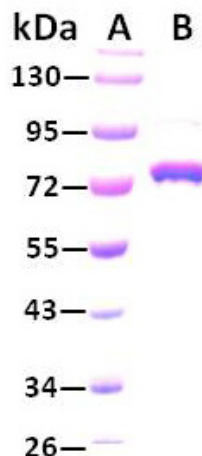
GRP78 has ATPase activity at the time of manufacture of 2.3 µM phosphate liberated/hr/µg protein in a 200 µl reaction at 37°C (pH7.5) in the presence of 20 µl of 1 mM ATP using a Malachite Green assay.

**Purity:** Apparent homogeneity by SDS PAGE

**Storage:**

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

**SDS-PAGE gel picture:**



**Purified human GRP78 protein.** The protein (200 ng) was analyzed by electrophoresis on a 12.5% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. The GRP78 protein band identity was confirmed by Western blot analysis. Protein size markers are indicated on the left.