

Enzymax, LLC

870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: GRP78 (His tagged)
Catalog no#: 133
Size: 100 µg

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

Product: Active GRP78, recombinant protein with 6xHis tag.

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 MgCl₂.

Biologic activity:

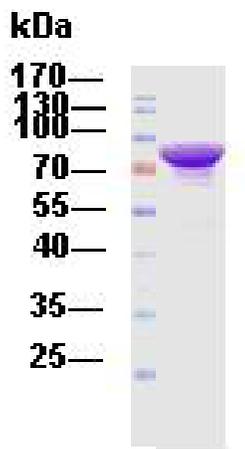
GRP78 has ATPase activity at the time of manufacture of 2.3 µM phosphate liberated/hr/µg protein in a 200 µl reaction at 37°C (pH7.5) in the presence of 20 µl of 1 mM ATP using a Malachite Green assay.

Purity: Near 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 (300 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.