

Product Name: rat GRP78
Catalog no#: 137
Size: 100 µg

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

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

Purity: Apparent homogeneity by SDS-PAGE

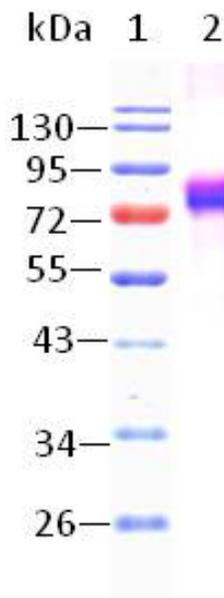
GeneBank Accession Number:
[NM_013083](http://www.ncbi.nlm.nih.gov/nuccore/NM_013083)

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

Product Description: Rattus norvegicus heat shock protein 5 (Hspa5). Recombinant full length (aa 1-654) ratGRP78 Protein with His tag. Swiss ID = [P06761](http://www.uniprot.org/uniprot/P06761).

SDS-PAGE gel picture:

Source: Recombinant ratGRP78 expressed in *E. coli*.



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

Molecular Weight: 78 kDa

Alternative Names: 78 kDa glucose-regulated protein; BiP; GRP-78; Grp78; Heat shock 70 kDa protein 5; Hspa5;

Presentation:
Purified rat GRP78 in 20 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 5 mM MgCl₂.

Biologic activity:

Rat GRP78 has ATPase activity at the time of manufacture of 2.5 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.

Purified rat 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 was confirmed by Western blot analysis. Protein size markers are indicated on the left.