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## Product Datasheet

### GRP78 (Bip) Protein (orb1714293)

**Description**

Active Human Recombinant GRP78 (Bip) Protein

**Reactivity**

Human

**Tested Applications**

ATPase Activity Assay, ELISA, FA, SDS-PAGE, WB

**Target**

GRP78 (Bip)

**Preservatives**

50mM Tris/HCl, pH 7.5, 150mM NaCl, 10% glycerol

**Concentration**

Lot/batch specific. See included datasheet.

**Storage**

-20°C

**Tag**

His tag

**Note**

For research use only

**Application notes**

This product has been certified > 90% pure using SDS-PAGE analysis. The protein has ATPase activity at the time of manufacture of 2.3µM phosphate liberated/hr/µg protein in a 200µl reaction at 37°C (pH 8) in the presence of 20ul of 1mM ATP using a Malachite Green assay.

**Protein Sequence**

MKLSLVAAMLLLLSAARAEEDKKEDVGTVVGIDLGTTYSCVGVFKNGRVEIIAN  
 DQGNRITPSYVAFTPEGERLIGDAAKNQLTSPENTVFDKRLIGRTWNDPSVQ  
 QDIKFLPFKVVVEKTKPYIQVDIGGGQTKTFAPEEISAMVLTKMKETAAYLGKKV  
 THAVVTPPAYFNDAQRQATKDAGTIAGLNVMRIINEPTAAAIAYGLDKREGEKNIL  
 VFDLGGGTDFDVSLLTIDNGVFEVVATNGDTHLGGEDFDQRMVMEHFILYKKTG  
 KDVRKDNRAVQKLRREVEKAKRALSSQHARIEIESFYEGEDFSETLTRAKFEEL  
 NMDLFRSTMKPVQKVLESDLKSDIDEIVLVGGSTRIPKIQLVKEFFNGKEPSR  
 GINPDEAVAYGAAVQAGVLSGDQDTGDLVLLDVCPLTLGIETVGGVMTKLIPRN  
 TVVPTKKSQIFSTASDNQPTVTIKVYEGERPLTKDNHLLGTFDLTGIPPAPRGVPQI  
 EVTFEIDVNGILRVTAEDKGTGNKNKITITNDQNRLTPEEIERMVNDAEKFAEEDK  
 KLKERIDTRNELESYAYSLKNQIGDKEKLGKLSSEDKETMEKAVEEKIEWLESH  
 QDADIEDFKAKKKEEIVQPIISKLYGSAGPPPTGEEDTAEKDEL

**Purity**

&gt; 90%

**Source**

Recombinant

**MW**

~78 kDa

**Uniprot ID**
**P11021**
**Expiration Date**

6 months from date of receipt.