

**BPGM, 1-259aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP01360**

3th Edition

**Synonyms:**Bisphosphoglycerate mutase, BPG-dependent PGAM.

**Description:**Bisphosphoglycerate mutase (BPGM) is an enzyme unique to erythrocytes and placental cells. This protein plays a major role in regulating hemoglobin oxygen affinity as a consequence of controlling 2,3-BPG concentration. It is responsible for the catalytic synthesis of 2,3-Bisphosphoglycerate (2,3-BPG) from 1,3-BPG.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

**Molecular Weight:**31kDa (267aa), confirmed by MALDI-TOF

**Sequences:**

MSKYKLIMLRHGEGAWNKENRFCWVDQKLNSEGMEEARNCGKQLKALNFEFDLVFTSVLNRSIHTAWLILEELG  
QEWVPVESSWRLNERHYGALIGLNREQMALNHGEEQVRLWRRSYNVTTPPIEESHPIYYQEIYNDRRYKVCDVPLD  
QLPRSESLKDVLERLLPYWNERIAPEVLRGKTILISAHGNSSRALLKHLEGISDEDIINITLPTGVPILLELDENLRVGP  
HQFLGDQEAIAAIKKVEDQGKVKQAKKLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.