

**Recombinant Human Bisphosphoglycerate Mutase/BPGM Protein(C-6His)**

**Cat.NO.: TP05157**

3th Edition

**Synonyms:**Bisphosphoglycerate Mutase; BPGM; 2;3-Bisphosphoglycerate Mutase Erythrocyte; 2;3-Bisphosphoglycerate Synthase; 2;3-Diphosphoglycerate Mutase; DPGM; BPG-Dependent PGAM; BPGM

**Description:**Bisphosphoglycerate Mutase (BPGM) is a member of the Phosphoglycerate Mutase family and BPG-Dependent PGAM subfamily. BPGM is a multifunctional enzyme. BPGM catalyzes 2,3-DPG synthesis via its synthetase activity, and 2,3-DPG degradation via its phosphatase activity. It also has phosphoglycerate phosphomutase activity. BPGM plays a major role in regulating hemoglobin oxygen affinity by controlling the levels of 2,3-bisphosphoglycerate (2,3-BPG). Deficiency of BPGM increases the affinity of cells for oxygen and result in hemolytic anemia.

**Form:**PBS

**Molecular Weight:**31.0 kDa

**Sequences:**Ser2-Lys259

**Purity:**> 95% by HPLC

**Concentration:**

**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.