

32-8155: Recombinant Human Bisphosphoglycerate Mutase/BPGM (C-6His)

Gene : BPGM
Gene ID : 669
Uniprot ID : P07738

Description

Source: E. coli.
MW :31kD.

Recombinant Human Bisphosphoglycerate Mutase is produced by our E.coli expression system and the target gene encoding Ser2-Lys259 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 1mM DTT, pH 8.0 .
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : SKYKLIMLRHGEGAWNKENRFCSWVDQKLNSEGMEEARNCGKQLKALNFEFDLVFTSVLNRSIHTAWLILEEL
GQEWVPVESSWRLNERHYGALIGLNREQMALNHGEEQVRLWRRSYNVTPPIEESHPIYQEIYNDRRYKVC
VPLDQLPRSESLKDVLERLLPYWNERIAPEVLRGKTILISAHGNSRALLKHLEGISDEDIINITLPTGVPILLELDEN
LRAVGPHQFLGDQEAIIQAAIKKVEDQGKVKQAKKLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.