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Datasheet for ABIN7318201 BPGM Protein (His tag)

Overview

Quantity:	50 µg
Target:	BPGM
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BPGM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human BPGM Protein (His Tag)
Sequence:	Ser2-Lys259
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BPGM
Alternative Name:	BPGM (BPGM Products)
Background:	Background: 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

Target Details

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.

Synonym: Bisphosphoglycerate Mutase, BPGM, 2,3-Bisphosphoglycerate Mutase Erythrocyte, 2,3-Bisphosphoglycerate Synthase, 2,3-Diphosphoglycerate Mutase, DPGM, BPG-Dependent PGAM, BPGM

Molecular Weight: 31.0 kDa

UniProt: [P07738](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 1 mM DTT, pH 8.0 .

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.