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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

BPGM (Human) Recombinant Protein (P02)

Catalog Number: H00000669-P02

Regulation Status: For research use only (RUO)

Product Description: Human BPGM full-length ORF (NP_001715.1, 1 a.a. - 259 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
MSKYKLIMLRHGEGAWNKENRFCSWVDQKLNSEGME  
EARNCGKQLKALNFEFDLVFTSVLNRSIHTAWLILEEL  
GQEWVPVESSWRLNERHYGALIGLNREQMALNHGEE  
QVRLWRRSYNVTPPPPIEESHPIYQEIYNDRRYKVC DV  
PLDQLPRSESLKDVLERLLPYWNERIAPEVLRGKTILIS  
AHGSSRALLKHLEGISDEDIINITLPTGVPIELLE DENL  
RAVGPHQFLGDQEA IQAAIKKVEDQGKVKQAKK
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 56.4

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 669

Gene Symbol: BPGM

Gene Alias: -

Gene Summary: 2,3-diphosphoglycerate (2,3-DPG) is a

small molecule found at high concentrations in red blood cells where it binds to and decreases the oxygen affinity of hemoglobin. This gene encodes a multifunctional enzyme that catalyzes 2,3-DPG synthesis via its synthetase activity, and 2,3-DPG degradation via its phosphatase activity. The enzyme also has phosphoglycerate phosphomutase activity. Deficiency of this enzyme increases the affinity of cells for oxygen. Mutations in this gene result in hemolytic anemia. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]