

BPGM 抗原（重组蛋白）

中文名称： BPGM 抗原（重组蛋白）

英文名称： BPGM Antigen (Recombinant Protein)

别 名： DPGM

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

Full length fusion protein

技术规格

Full name:	bisphosphoglycerate mutase
Synonyms:	DPGM
Swissprot:	P07738
Gene Accession:	BC017050
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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

f cells for oxygen. Mutations in this gene result in hemolytic anemia. Multiple alternatively spliced variants, encoding the same protein, have been identified.