

Recombinant Human BPGM

Catalog No: #GP12638

Package Size: #GP12638-1 100ug

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Description

Product Name	Recombinant Human BPGM
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	bisphosphoglycerate mutase
Other Names	DPGM
Accession No.	Swissprot:P07738Gene Accession:BC017050
Uniprot	P07738
GeneID	669;
Storage	-20~-80°C, pH 7.6 PBS

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

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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