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BPGM Protein (AA 1-259) (His tag)





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Overview

Quantity:	100 μg
Target:	BPGM
Protein Characteristics:	AA 1-259
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BPGM protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	BPGM, 1-259aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	BPGM
Alternative Name:	BPGM (BPGM Products)
Background:	Bisphosphoglycerate mutase (BPGM) is an enzyme unique to erythrocytes and placental cells.
	This protein plays a major role in regulating hemoglobin oxygen affinity as a consequence of
	controlling 2,3-BPG concentration. It is responsible for the catalytic synthesis of 2,3-
	Bisphosphoglycerate (2,3-BPG) from 1,3-BPG. BPGM also has a mutase and a phosphatase
	function, but these are much less active. Recombinant human BPGM, fused to His-tag at C-

Target Details

terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: BPG-dependent PGAM, Bisphosphoglycerate mutase 2,3-bisphosphoglycerate mutase, erythrocyte, 2,3-bisphosphoglycerate mutase, 2,3-bisphosphoglycerate synthase, Ab2 098, Al323730 AL022789, BPG dependent PGAM, C86192. NCBI no.: NP_001715

Molecular Weight:

31kDa (267aa), confirmed by MALDI-TOF

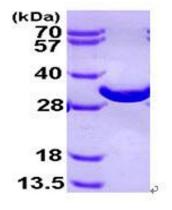
Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Storage:	4 °C

Images



15% SDS-PAGE (3ug)₽

SDS-PAGE

Image 1.