Datasheet for ABIN7318897

Phosphoglucomutase 2 Protein (PGM2) (His tag)

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Overview

Quantity:	50 µg
Target:	Phosphoglucomutase 2 (PGM2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phosphoglucomutase 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PGM2 Protein (His Tag)
Sequence:	Met 1-Asp612
Characteristics:	Recombinant Human Phosphoglucomutase-2 is produced by our E.coli expression system and the target gene encoding Met1-Asp612 is expressed with a 6His tag at the N-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:	Phosphoglucomutase 2 (PGM2)
Alternative Name:	PGM2 (PGM2 Products)
Background:	Background: Phosphoglucomutase-2 (PGM2) is a member of PGM family, which catalyzes the inter-conversion of sugar phosphates and participates in anabolic and catabolic reactions. When cells are grown in glucose, PGM catalyzes the conversion of glucose-6-phosphate to

Target Details

	glucose-1-phosphate an important precursor required for the synthesis of UDP glucose and trehalose. PGM2 catalyzes the conversion of the nucleoside breakdown products ribose-1-phosphate and deoxyribose-1-phosphate to the corresponding 5-phosphopentoses, and it may also catalyze the interconversion of glucose-1-phosphate and glucose-6-phosphate. But this protein has low glucose 1,6-bisphosphate synthase activity. Synonym: Phosphoglucomutase-2, PGM 2, Glucose phosphomutase 2, Phosphodeoxyribomutase, Phosphopentomutase
Molecular Weight:	70.5 kDa
UniProt:	Q96G03
Pathways:	Cellular Glucan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris,200 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.