

Phosphoglucomutase Active Protein | PGM1 active protein

Phosphoglucomutase, Rabbit Muscle

CATALOG #
AAA44730

PRODUCT SYNONYMS

Phosphoglucomutase; Rabbit Muscle; α-D-Glucose-1; 6-bisphosphatase; α-D-Glucose-1-phosphate phosphotransferase; Phosphoglucomutase-1; PGM-1; PGM 1; Glucose phosphomutase 1; PGM1 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Purified
Form/Format	Powder, Lyophilized from 50 mM sodium citrate, 2mM DTT, pH6.5
Sequence Length	623
Source	Rabbit skeletal Muscle
EC Number	5.4.2.2
Activity	43 U/mg
Unit Definition	One unit will convert 1.0 umole of alpha-D-glucose 1-phosphate to alpha-D-glucose 6-phosphate per min at pH 7.4 at 30 degree C.
Specific Activity	360 U/mg protein
Appearance	White to off-white powder.
Solubility	slightly hazy, colorless (1mg/ml saline)
Protein	0.12mg protein/mg ($E_{278nm}^{0.1\%}=0.77$)
Contaminants	LDH: 0.01% PGI: 0.02% PK: 0.02%
Recertification	12-02-2018
Contaminants	LDH: <=0.1%, PK: <=0.05%, Phosphoglucose Isomerase: <=0.1%
CAS Number	9001-81-4
Preparation and Storage	At -20 degree C Shipping: Ships with dry ice

ADDITIONAL INFORMATION

Related Product Information for PGM1 active protein	AAA Biotech produces Phosphoglucomutase from rabbit muscle for manufacturing and research applications. Phosphoglycomutase is used to interconvert glucose 1-phosphate to glucose 6-phosphate. It is used to study glycogenesis and phosphoglycomutase deficiency in humans and has been used in assays to study metabolic regulation.
Product Categories/Family for PGM1 active protein	Proteins; Enzymes; Standards/controls; Native Proteins; Phosphoglucomutase

NCBI AND UNIPROT INFORMATION

NCBI GI #	15242191
NCBI GeneID	835257
NCBI Accession #	NP_199995.1
NCBI GenBank Nucleotide #	NM_124561.2
Molecular Weight	67,989 Da
NCBI Official Full Name	phosphoglucomutase
NCBI Official Symbol	PGM
NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA PHOSPHOGLUCOMUTASE; ATPGMP; MIO24.4; MIO24_4; PGM; PGM1; phosphoglucomutase; PHOSPHOGLUCOMUTASE; STARCH-FREE 1; STF1
NCBI Protein Information	phosphoglucomutase
UniProt Protein Name	Phosphoglucomutase, chloroplastic
UniProt Gene Name	PGMP
UniProt Synonym Gene Names	PGM; PGM
UniProt Entry Name	PGMP_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pgm1-active-protein/phosphoglucomutase/44730>