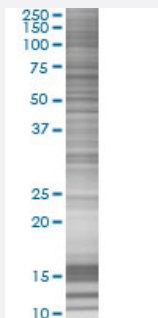


PGM1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005236-T01

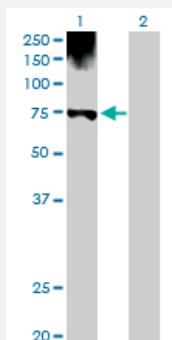
Size 100 uL

Applications



SDS-PAGE Gel

PGM1 transfected lysate.



Western Blot

Lane 1: PGM1 transfected lysate (61.40 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PGM1 full-length
Host	Human
Theoretical MW (kDa)	61.4
Interspecies Antigen Sequence	Mouse (97); Rat (97)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PGM1 antibody ([H00005236-D01P](#)) by Western Blots.
SDS-PAGE Gel
PGM1 transfected lysate.
Western Blot
Lane 1: PGM1 transfected lysate (61.40 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PGM1

Entrez GeneID[5236](#)**GeneBank Accession#**[NM_002633.2](#)**Protein Accession#**[NP_002624.2](#)**Gene Name**

PGM1

Gene Alias

-

Gene Description

phosphoglucomutase 1

Omim ID[171900](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Phosphoglucomutases (PGM; EC 5.4.2.2) catalyze the transfer of phosphate between the 1 and 6 positions of glucose. Isozymes of PGM are monomeric, with molecular masses of about 60 kD, and are encoded by several genes, including PGM1. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 (MIM 172000) is a major isozyme (Putt et al., 1993 [PubMed 8257433]).[supplied by OMIM]

Other Designations

OTTHUMP00000010519|OTTHUMP00000046842

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)

Disease

- [Birth Weight](#)
- [Body Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)