

Human PFKM Knockdown Cell Lysate

Cat. No. PFKM-269HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PFKM Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. These isozymes function as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. Tetramer composition varies depending on tissue type. This gene encodes the muscle-type isozyme. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease. Alternatively spliced transcript variants have been described.
Form	Cell-Tissue Lysis buffer
Molecular Mass	85 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PFKM KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PFKM phosphofructokinase, muscle [Homo sapiens (human)]
Official Symbol	PFKM
Synonyms	PFKM; phosphofructokinase, muscle; PFKX, phosphofructokinase, polypeptide X; 6-phosphofructokinase, muscle type; PFK 1; PFK-A; phosphohexokinase; phosphofructokinase 1; phosphofructokinase-M; 6-phosphofructo-1-kinase; phosphofructo-1-kinase isozyme A; phosphofructokinase, polypeptide X; GSD7; PFK1; PFKA; PFKX; PFK-1; MGC8699;
Gene ID	5213
mRNA Refseq	NM_000289
Protein Refseq	NP_000280

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MIM	610681
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UniProt ID	P08237
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