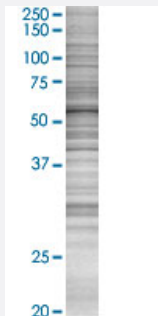


PKM2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005315-T01

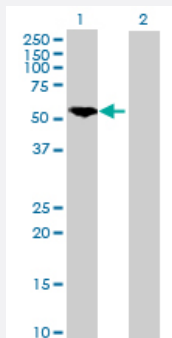
Size 100 uL

Applications



SDS-PAGE Gel

PKM2 transfected lysate.



Western Blot

Lane 1: PKM2 transfected lysate (57.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PKM2 full-length
Host	Human
Theoretical MW (kDa)	57.9
Interspecies Antigen Sequence	Mouse (98); Rat (94)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PKM2 antibody ([H00005315-D01P](#)) by Western Blots.
SDS-PAGE Gel
PKM2 transfected lysate.
Western Blot
Lane 1: PKM2 transfected lysate (57.90 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 — PKM2

Entrez GeneID

[5315](#)

GeneBank Accession#

[NM_002654.3](#)

Protein Accession#

[NP_002645.3](#)

Gene Name

PKM2

Gene Alias

CTHBP, MGC3932, OIP3, PK3, PKM, TCB, THBP1

Gene Description

pyruvate kinase, muscle

Omim ID

[179050](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq]

Other Designations

OPA-interacting protein 3|PK, muscle type|pyruvate kinase M2|thyroid hormone-binding protein, cytosolic

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyruvate metabolism](#)
- [Type II diabetes mellitus](#)

Disease

- [Drug Toxicity](#)
- [Edema](#)
- [Hypercholesterolemia](#)