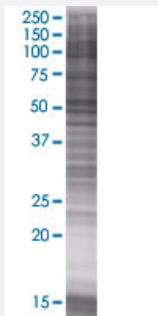


PFKFB2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005208-T01

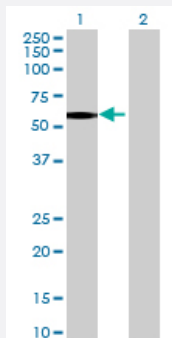
Size 100 uL

Applications



SDS-PAGE Gel

PFKFB2 transfected lysate.



Western Blot

Lane 1: PFKFB2 transfected lysate (55.66 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PFKFB2 full-length
Host	Human
Theoretical MW (kDa)	55.66
Interspecies Antigen Sequence	Mouse (93); Rat (95)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PFKFB2 antibody ([H00005208-B01](#)) by Western Blots.
SDS-PAGE Gel
PFKFB2 transfected lysate.
Western Blot
Lane 1: PFKFB2 transfected lysate (55.66 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 — PFKFB2

Entrez GeneID[5208](#)**GeneBank Accession#**[NM_006212.2](#)**Protein Accession#**[NP_006203.2](#)**Gene Name**

PFKFB2

Gene Alias

DKFZp781D2217, MGC138308, MGC138310, PFK-2/FBPase-2

Gene Description

6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2

Omim ID[171835](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2|6PF-2-K/Fru-2,6-P2ASE heart-type isozyme|OTTHUMP00000034285|OTTHUMP00000034286|PFKFB, cardiac|fructose-2,6-bisphosphatase, cardiac isozyme

Pathway

- [Fructose and mannose metabolism](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)