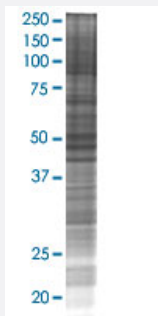


# PPM1F 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009647-T02

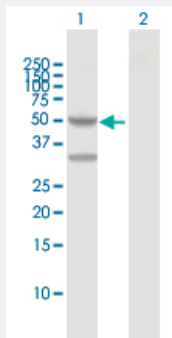
Size 100 uL

## Applications



### SDS-PAGE Gel

PPM1F transfected lysate.



### Western Blot

Lane 1: PPM1F transfected lysate ( 49.80 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-PPM1F full-length
Host	Human
Theoretical MW (kDa)	49.8
Interspecies Antigen Sequence	Mouse (79); Rat (79)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PPM1F antibody ([H00009647-D01](#)) by Western Blots.  
SDS-PAGE Gel  
PPM1F transfected lysate.  
Western Blot  
Lane 1: PPM1F transfected lysate ( 49.80 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 — PPM1F

## Entrez GeneID

[9647](#)

## GeneBank Accession#

[NM\\_014634](#)

## Protein Accession#

[NP\\_055449.1](#)

## Gene Name

PPM1F

## Gene Alias

CaMKPase, FEM-2, KIAA0015, POPX2, hFEM-2

## Gene Description

protein phosphatase 1F (PP2C domain containing)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined. [provided by RefSeq]

## Other Designations

Ca(2+)/calmodulin-dependent protein kinase phosphatase|CaM-kinase phosphatase|PP2C phosphatase|partner of PIX 2|protein phosphatase 1F

## Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)