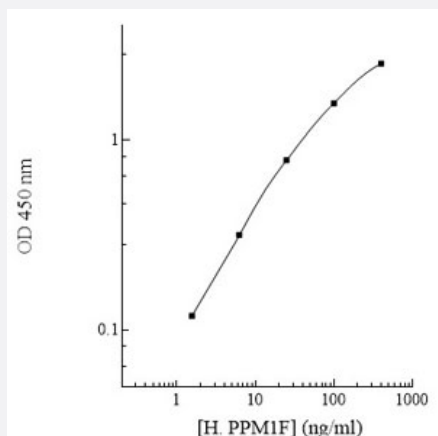


# PPM1F (Human) ELISA Kit

Catalog # KA6062

Size 1 Kit

## Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

<b>Product Description</b>	PPM1F (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detection of human PPM1F in serum, plasma and cell culture.
<b>Suitable Sample</b>	Serum, Plasma, Cell Culture
<b>Sample Volume</b>	50 $\mu$ L
<b>Label</b>	Peroxidase-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	1.56 to 400 ng/mL
<b>Reactivity</b>	Human
<b>Regulatory Status</b>	For research use only (RUO)
<b>Quality Control Testing</b>	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Storage Instruction

Store components of the kit at 4°C or -20°C as described in the protocol.

## Applications

- Quantification

## Gene Info — PPM1F

Entrez GeneID [9647](#)

Protein Accession# [P49593](#)

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](#)