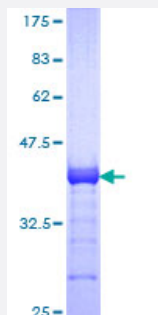


PPM1F (Human) Recombinant Protein (Q01)

Catalog # H00009647-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPM1F partial ORF (NP_055449, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSGAPQKSSPMASGAEETPGFLDTLLQDFPALLNPEDPLPWKAPGTVLSQEEVEGELAEAM GFLGSRKAPPPLAAALAHEAVSQLLQTDLSEFRKLPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (79); Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPM1F

Entrez GeneID [9647](#)

GeneBank Accession# [NM_014634](#)

Protein Accession# [NP_055449](#)

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](#)