

## Product datasheet for **TP310043L**

### PPM1F (NM\_014634) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein phosphatase 1F (PP2C domain containing) (PPM1F), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210043 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSSGAPQKSSPMASGAEETPGFLDTLLQDFPALLNPEDPLPWKAPGTVLSQEEVEGELAEELAMGFLGSRK  
APPPLAAALAHEAVSLLQTDLSEFRKLPREEEEEEDDDEEKAPVTLLDAQSLAQFFNRLWEVAGQWQ  
KQVPLAARASQRQWLVSIAIRNTRRKMEDRHVSLPSFNQLFGLSDPVNRAYFAVFDGHGGVDAARYAAV  
HVHTNAARQPELPTDPEGALREAFRRTDQMFLRKAKRERLQSGTTGVCALIAGATLHVAVLWLGDSQVILVQ  
QGQVWKLMEPHRPERQDEKARIEALGGFVSHMDCWRVNGTLAVSRAIGDVFQKPYVSGEADAASRALTGS  
EDYLLACDGGFFDVPHQEVVGLVQSHLTRQQGSLRVAEELVAAARERGSNDNITVMVFLRDPQELLE  
GGNQGEGDPQAEGRRQDLPSSLPEPETQAPPRS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	49.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_055449](#)

Locus ID: 9647

UniProt ID: [P49593](#)

RefSeq Size: 5199

Cytogenetics: 22q11.22

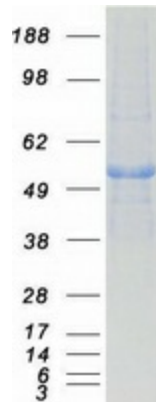
RefSeq ORF: 3534

Synonyms: CAMKP; CaMKPase; FEM-2; hFEM-2; POPX2

**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, Jul 2008]

**Protein Families:** Druggable Genome, Phosphatase

### Product images:



Coomassie blue staining of purified PPM1F protein (Cat# [TP310043]). The protein was produced from HEK293T cells transfected with PPM1F cDNA clone (Cat# [RC210043]) using MegaTran 2.0 (Cat# [TT210002]).