

PPM1F, human recombinant protein
Protein phosphatase 1F, CAMKP, CaMKPase, FEM-2, hFEM-2, POPX2
Catalog # PBV11369r

Specification

PPM1F, human recombinant protein - Product info

Primary Accession	P49593
Concentration	1
Calculated MW	52 kDa (477 aa, 1-454 aa + His Tag) kDa

PPM1F, human recombinant protein - Additional Info

Gene ID	9647
Gene Symbol	PPM1F
Other Names	
Protein phosphatase 1F, CAMKP, CaMKPase, FEM-2, hFEM-2, POPX2	

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 1200 unit/mg
Sequence	MGSSHHHHHH SGLVPRGSH MGSMSSGAPQ KSSPMASGAE ETPGFLDTLL QDFPALLNPE DPLPWKAPGT VLSQEEVEGE LAELAMGFLG SRKAPPPLAA ALAHEAVSQL LQTDLSEFRK LPREEEEEEE DDDEEEKAPV TLLDAQSLAQ SFFNRLWEVA GQWQKQVPLA ARASQRQWL V SIHAIRNTRR KMEDRHVSLP SFNQLFGLSD PVNRAYFAVF DGHGGVDAAR YAAVHVHTNA ARQPELPTDP EGALREAFRR TDQMFLRKAK RERLQSGTTG VCALIAGATL HVAWLGDSQV ILVQQGQVVK LMEPHRPERQ DEKARIEALG GFVSHMDCWR VNGTLAVSRA IGDVFQKPYV

Target/Specificity
PPM1F

Format
Liquid

Storage
-20°C; 1 mg/ml solution 20 mM Tris-HCl buffer (pH 8.0), 20% glycerol, 150 mM NaCl and 1 mM DTT.

PPM1F, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPM1F, human recombinant protein - Images

PPM1F, human recombinant protein - Background

PPM1F 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. Recombinant human PPM1F protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

PPM1F, human recombinant protein - References

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