

## 32-2712: PPM1F Recombinant Protein

**Alternative Name :** Protein phosphatase 1F,Ca(2+)/calmodulin-dependent protein kinase phosphatase,CaM-kinase phosphatase,CaMKPase,Partner of PIX 2,Protein fem-2 homolog,hFem-2,KIAA0015,POPX2,PPM1F,CAMKP,FEM-2.

### Description

Source : E.coli. PPM1F Human Recombinant produced in E. coli is a single polypeptide chain containing 477 amino acids (1-454) and having a molecular mass of 52kDa.PPM1F is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Protein Phosphatase 1F (PPM1F) is a part of the PP2C family of Ser/Thr protein phosphatases whose members are known to be negative regulators of cell stress response pathways. PPM1F interacts with Rho guanine nucleotide exchange factors (PIX), and as a result blocks 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 one of the substrates of PPM1F. PPM1F is found to be an apoptosis Promoter.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The PPM1F solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMSGAPQ KSSPMASGAE ETPGFLDTLL QDFPALLNPE  
DPLPWKAPGT VLSQEEVEGE LAELAMGFLG SRKAPPPLAA ALAHEAVSQL LQTDLSEFRK LPREEEEEEE  
DDDEEEKAPV TLLDAQSLAQSFNRLWEVA GQWQKQVPLA ARASQRQWLV SIHAIRNTRR  
KMEDRHVSLP SFNQLFGLSD PVNRAYFAVF DGHGGVDAAR YAAVHVHTNA ARQPELPTDP  
EGALREAFRR TDQMFLRKAK RERLQSGTTG VCALIAGATL HVAWLGDSQV ILVQQGQVVK  
LMEPHRPERQ DEKARIEALG GFVSHMDCWR VNGTLAVSRA IGDVFKQPYV SGEADAASRA LTGSEDYLLL  
ACDGGFDVVP HQEVVGLVQS HLTRQQGSGL RVAEELVAAA RERGSHDNIT VMVVFLRDPQ  
ELLEGGNQGE GDPQAEGRQ DLPSLPEPE TQAPPRS.

