

**PPM1F, 1-454aa, Human, His tag, E.coli**

**Cat.NO.: TP03495**

3th Edition

**Synonyms:**Protein phosphatase 1F, CAMKP, CaMKPase, FEM-2, hFEM-2, POPX2

**Description:**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.

**Molecular Weight:**52kDa (477aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMSSGAPQKSSPMASGAEETPGFLDTLLQDFPALLNPEDPLPWKAPGTVLSQ  
EEVEGELAELAMGFLGSRKAPPPLAAALAHEAVSPLLQTDLSEFRKLPREEEEEEDDDEEEKAPVTLTLLDAQSLAQ  
SFFNRLWEVAGQWQKQVPLAARASQRQWLVSIIHAIRNTRRKMEDRHVSLPSFNQLFGLSDPVNRAYFAVFDGHG  
GVDAARYAAVHVHTNAARQPELPTDPEGALREAFRRTDQMFLRKAKRERLQSGTTGVCALIAGATLHVAWLGDSSQ  
VILVQQGQVVKLMEPHRPERQDEKARIEALGGFVSHMDCWRVNGTLAVSRAIGDVFQKPYVSGEADAASRALTGS  
EDYLLLACDGGFFDVVPHQEVVGLVQSHLTRQQGSGLRVAEELVAAARERGSNDNITVMVVFLRDPQELLEGGNQG  
EGDPQAEGRRQDLPSSLPEPETQAPPRS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.