

Product datasheet for **AR51105PU-S**

Protein phosphatase 1F / PPM1F (1-454, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Protein phosphatase 1F / PPM1F (1-454, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSGAPQ KSSPMASGAE ETPGFLDTLL QDFPALLNPE DPLPWKAPGT VLSQEEVEGE LAELAMGFLG SRKAPPPLAA ALAHEAVSQL LQTDLSEFRK LPEEEEEEE DDDEEEKAPV TLLDAQSLAQ SFFNRLWEVA GQWQKQVPLA ARASQRQWLW SIHAIRNTRR KMEDRHVSLP SFNQLFGLSD PVNRAYFAVF DGHGGVDAAR YAAVHVHTNA ARQPELPTDP EGALREAFRR TDQMFLRKAK RERLQSGTTG VCALIAGATL HVAWLGDSQV ILVQQGQVVK LMEPHRPERQ DEKARIEALG GFVSHMDCWR VNGTLAVSRA IGDVFKQPYV SGEADAASRA LTGSEDYLLL ACDGFFDVVP HQEVVGLVQS HLTRQQGSL RVAEELVAAA RERGSHDNIT VMVFLRDPQ ELLEGGNQGE GDPQAEGRRQ DLPSSLPEPE TQAPPRS
Tag:	His-tag
Predicted MW:	52 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PPM1F protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_055449</u>
Locus ID:	9647



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UniProt ID: [P49593](#)

Cytogenetics: 22q11.22

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:

