

# Recombinant human PP2C gamma/PPM1G protein

Catalog Number: ATGP3784

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-546aa

**UniProt No.**

O15355

**NCBI Accession No.**

NP\_817092

## PRODUCT SPECIFICATION

**Molecular Weight**

61.4 kDa (566aa)

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl , 0.1mM PMSF

**Purity**

&gt; 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

PPM1G, as known as protein phosphatase 1G, is a member of the PP2C family of Ser/Thr protein phosphatases that is negative regulators of cell stress response pathways. This enzyme localizes to the cytoplasm and is widely expressed, with most abundant expression detected in testis, skeletal muscle and heart. It is necessary for the dephosphorylation of pre-mRNA splicing factors, which is an important process for the formation of the functional spliceosome. Recombinant human PPM1G protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

**Amino acid Sequence**

&lt;MGSSHHHHHH SSGLVPRGSH&gt; MGAYLSQPNT VKCSGDGVGA PRLPLPYGFS AMQGWRVSME DAHNCIPELD

# Recombinant human PP2C gamma/PPM1G protein

Catalog Number: ATGP3784

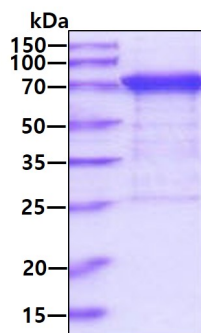
SETAMFSVYD GHGGEEVALY CAKYLPDIK DQKAYKEGKL QKALEDAFLA IDAKLTTEEV IKELAQIAGR PTEDEDEKEK  
VADEDDVDNE EAALLHEEAT MTIEELLTRY GQNCHKGPPH SKSGGGTGEE PGSQGLNGEA GPEDSTRETP SQENGPTAKA  
YTGFSNSER GTEAGQVGEP GIPTGEAGPS CSSASDKLPR VAKSKFFEDS EDESDEAEAE EEDSEECSEE EDGYSSEAE  
NEEDEDDETEE AEEDDEEEEEE EMMVPGMEGK EEPGSDSGTT AVVALIRGKQ LIVANAGDSR CVVSEAGKAL DMSYDHPED  
EVELARIKNA GGKVTMDGRV NGGLNLSRAI GDHFYKRKN LPPEEQMISA LPDIKVLTLT DDHEFMVIAC DGIWNVMSQ  
EVVDFIQSKI SQRDENGELR LLSSIVEELL DQCLAPDTSG DGTGCDNMTC IIICFKPRNT AELQPESGKR KLEEVLTSTEG  
AEENGNSDKK KKAARD

## General References

Travis SM., et al. (1997) FEBS Lett. 412(3):415-9.  
Brautigan D.L., et al. (2005) Biochemistry. 44(33):11067-73.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.