

# Recombinant Human PPM1A Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07863

**Protein Name:** Protein Phosphatase, Mg<sup>2+</sup>/Mn<sup>2+</sup> Dependent 1A (PPM1A)

**Aliases:** PP2CA; PP2Calpha; PP2C-ALPHA; protein phosphatase, Mg<sup>2+</sup>/Mn<sup>2+</sup> dependent 1A

**UniProt ID:** P35813

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P35813/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-382aa)

**Molecular Weight:** 69.3kDa

**Protein Tag:** N-terminal GST-tagged

## 2. Amino Acid Sequence (1-382aa)

GAFLDKPKMEKHNAQQGQGNGLRYGLSSMQGWRVEMEDAHTAVIGLPSGLESWSF  
FAVYDGHAGSQVAKYCCHELLDHITNNQDFKGSAGAPSVENVKNGIRTGFLEIDEH  
MRVMSEKKHGADRSGSTAVGVLIISPQHTYFINCGDSRGLLCRNRKVHFFFTQDHKP  
SNPLEKERIQNAGGSVMIQRVNGSLAVSRALGDFDYKCVHGKGPTEQLVSPEPEV  
HDIERSEEDDQFIILACDGIWDVMGNEELCDFVRSRLEVTDDEKVCNEVVDTCLYK  
GSRDNMSVILICFPNAPKVSPEAVKKEAELDKYLECRVEEIIKKQGEGVPDLVHVMR  
TLASENIPSLPPGGELASKRNVIEAVYNRLNPYKNDDTDSTSTDDMW

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human PPM1A full length protein (1-382aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. PPM1A, also known as PP2CA or PP2Calpha or PP2C-ALPHA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.