

Active Recombinant Human PPM1A Protein, His-tagged

Cat. No. PPM1A-862H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPM1A (Accession # NP_808820) Gly2-Lys324, fused with a C-terminal 6-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2-Lys324
Predicted N Terminal	Gly2
Form	Supplied as a 0.2 µ filtered solution in HEPES, NaCl, MnCl ₂ and DTT.
Bio-activity	Measured by its ability to dephosphorylate the peptide substrate, DLDVPIPGRFDRRVS(PO ₃)VAAE. The specific activity is >400 nmol/min/mg, as measured under the described conditions.
Molecular Mass	Recombinant Human PPM1A, His-tagged has a calculated MW of 37 kDa. In SDS-PAGE migrates as 41 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PPM1A protein phosphatase, Mg2+/Mn2+ dependent, 1A [Homo sapiens]
Official Symbol	PPM1A
Synonyms	PPM1A; protein phosphatase, Mg2+/Mn2+ dependent, 1A; protein phosphatase 1A (formerly 2C), magnesium dependent, alpha isoform; protein phosphatase 1A; MGC9201; phosphatase 2C alpha; PP2CA; PP2Calpha; protein phosphatase 2C; alpha isoform; protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform; PP2C-ALPHA; FLJ42306;
Gene ID	5494
mRNA Refseq	NM_021003
Protein Refseq	NP_066283
MIM	606108
UniProt ID	P35813
Chromosome Location	14q23.1

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