

Protein phosphatase 1D (PPM1D) Recombinant Protein | PPM1D recombinant protein

Recombinant Human Protein phosphatase 1D (PPM1D)

CATALOG # AAA114712	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Protein phosphatase 1D (PPM1D); Recombinant Human Protein phosphatase 1D (PPM1D); PPM1D recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-605aa; Full Length
Sequence	MAGLYSLGVS VFSDQGGGRKY MEDVTQIVVE PEPTAE EKPS PRRSLSQLP PRPSAALPG GEVSGKGPAV AAREARDPLP DAGASPAPSR CRRRSSVAF FAVCDGHGGR EAAQFAREHL WGFIKKQKGF TSSEPAKVCA AIRKGFLACH LAMWKKLAEW PKTMTGLPST SGTASV VII RGMKMYVAHV GDSGVVLGIQ DDPKDDFVRA VEVTDHKPE LPKERERIEG LGG SVMNKS G VNRVWKRPR LTHNGPVRRS TVIDQIPFLA VARALGDLWS YDFFSGEFVV SPEPDTSVHT LDPQKH KYII LGSDGLWNMI PPQDAISMCQ DQEEKYLMG EHGQSCAKML VNRALGRWRQ RMLRADNTSA IVICISPEVD NQGNFTNEDE LYLNLTDSPS YNSQETCVMT PSPCSTPPVK SLEEDPWPRV NSKDHPALV RSNAFSENFL EVSAEIAREN VQGVVPSKD PEPLEENCAK ALTLRIHDSL NNSLPIGLVP TNSTNTVMDQ KNLKMSTPGQ MKAQEIERTP PTNFKRTLEE SNSGPLMKKH RRNGLSRSSG AQPASLPTTS QRKNSVKLTM RRRLRGQKKI GNPLLHQHRK TVCVC
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for PPM1D recombinant protein	This protein 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. The expression of this gene is induced in a p53-dependent manner in response to various environmental stresses. While being induced by tumor suppressor protein TP53 p53, this phosphatase negatively regulates the activity of p38 MAP kinase, MAPK p38, through which it reduces the phosphorylation of p53, and in turn suppresses p53-mediated transcription and apoptosis. This phosphatase thus mediates a feedback regulation of p38-p53 signaling that contributes to growth inhibition and the suppression of stress induced apoptosis. This gene is located in a chromosomal region known to be amplified in breast cancer. The amplification of this gene has been detected in both breast cancer cell line and primary breast tumors, which suggests a role of this gene in cancer development.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505997
NCBI GeneID	8493
NCBI Accession #	NP_003611.1
NCBI GenBank Nucleotide #	NM_003620.3

UniProt Accession #	O15297 ; Q53XP4 ; Q6P991 ; Q8IVR6
Molecular Weight	47,211 Da
NCBI Official Full Name	protein phosphatase 1D
NCBI Official Synonym Full Names	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1D
NCBI Official Symbol	PPM1D
NCBI Official Synonym Symbols	WIP1; IDDGIP; PP2C-DELTA
NCBI Protein Information	protein phosphatase 1D
UniProt Protein Name	Protein phosphatase 1D
UniProt Gene Name	PPM1D
UniProt Synonym Gene Names	WIP1; PP2C-delta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ppm1d-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114712>