

Recombinant Human PPM1A, GST-tagged

Cat. No. PPM1A-1893H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPM1A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-334aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PPM1A protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1A [Homo sapiens]
Official Symbol	PPM1A
Synonyms	PPM1A; protein phosphatase, Mg ²⁺ /Mn ²⁺ 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

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	isoform; PP2C-ALPHA; FLJ42306;
Gene ID	5494
mRNA Refseq	NM_021003
Protein Refseq	NP_066283
MIM	606108
UniProt ID	P35813
Chromosome Location	14q23.1
Pathway	BMP receptor signaling, organism-specific biosystem; Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;
Function	R-SMAD binding; calmodulin-dependent protein phosphatase activity; hydrolase activity; magnesium ion binding; manganese ion binding; protein C-terminus binding; protein binding; protein serine/threonine phosphatase activity; signal transducer activity;

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