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Datasheet for ABIN7319266 PPM1A Protein (His tag)

Overview

Quantity:	50 µg
Target:	PPM1A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPM1A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PPM1A Protein (His Tag)
Sequence:	Gly2-Trp382
Characteristics:	Recombinant Human Protein Phosphatase 1A is produced by our E.coli expression system and the target gene encoding Gly2-Trp382 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PPM1A
Alternative Name:	PPM1A (PPM1A Products)
Background:	Background: Protein Phosphatase 1A (PPM1A) is a member of the PP2C family of Ser/Thr protein phosphatases which are known to be negative regulators of cell stress response pathways. PPM1A has a broad specificity. PPM1A negatively regulates the activities of MAP

Target Details

kinases and MAP kinase kinases. Also, it negatively regulates TGF-beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling. In addition, PPM1A can dephosphorylate cyclin-dependent kinases, and thus may be involved in cell cycle control. Synonym: Protein Phosphatase 1A, Protein Phosphatase 2C Isoform Alpha, PP2C-Alpha, Protein Phosphatase 1A, PPM1A, PPPM1A,PP2C-ALPHA,PP2CA,PP2Calpha

Molecular Weight: 43.5 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.