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Recombinant Human PPM1A Protein (His Tag)

产品货号: TP07514

第三版

别名:PP2C-ALPHA;PP2CA;PP2Calpha

**描述:**Protein phosphatase 1A (PPM1A / PP2CA) is an enzyme belonging to the PP2C family of Ser / Thr protein phosphatases. Members of PP2C family are negative regulators of cell stress response pathways and the MAP kinases and MAP kinase kinases. It has also been demonstrated to inhibit the activation of p38 and JNK kinase cascades. PPM1A dephosphorylates and promotes nuclear export of TGF $\beta$ -activated Smad2/3. Ectopic expression of PPM1A abolishes TGF $\beta$ -induced antiproliferative and transcriptional responses, whereas depletion of PPM1A enhances TGF $\beta$  signaling in mammalian cells. It has been demonstrated that PPM1A / PP2CA, through dephosphorylation of Smad2/3, plays a critical role in terminating TGF $\beta$  signaling. Overexpression of PPM1A is reported to activate the expression of the tumor suppressor gene TP53 / p53, which leads to cell apoptosis.

配方:PBS

分子量:43.8 kDa

序列:Met 1-Trp 382

纯度:&gt; 95% by HPLC

浓度:

内毒素:&lt;1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.