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Datasheet for ABIN7317604

PPM1G Protein (AA 317-546) (His tag)

Overview

Quantity:	100 µg
Target:	PPM1G
Protein Characteristics:	AA 317-546
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPM1G protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PPM1G/PP2C-gamma Protein (aa 317-546, His Tag)
Sequence:	Met 317-Asp 546
Characteristics:	A DNA sequence encoding the human PPM1G (O15355) C-terminal fragment (Met 317-Asp 546) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	PPM1G
Alternative Name:	PPM1G/PP2C-gamma (PPM1G Products)
Background:	Background: Protein phosphatase 1G; also known as Protein phosphatase 1C; Protein phosphatase 2C isoform gamma; Protein phosphatase magnesium-dependent 1 gamma; PP2C-gamma; PPM1G and PPM1C; is a cytoplasm protein which belongs to the PP2C family.

Target Details

PPM1G / PP2C-gamma is widely expressed. It is most abundant in testis; skeletal muscle; and heart. Alternatively spliced transcript variants encoding the same protein have been described. PP2C family members are known to be negative regulators of cell stress response pathways. PPM1G / PP2C-gamma is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors; which is important for the formation of functional spliceosome. PPM1G / PP2C-gamma also plays a role in regulating cell cycle progression.

Synonym: Protein Phosphatase 1G; Protein Phosphatase 1C; Protein Phosphatase 2C Isoform Gamma; PP2C-Gamma; Protein Phosphatase Magnesium-Dependent 1 Gamma; PPM1G; PP2CG;PP2CGAMMA

Molecular Weight: 26.6 kDa

UniProt: [O15355](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 1 mM DTT, 20 % glycerol, pH 7.5

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.