

Datasheet for ABIN1097430

PPM1G Protein (AA 317-546) (His tag)[Go to Product page](#)

Overview

Quantity:	50 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 Protein Phosphatase 1G/PP1MG (C-6His)
Sequence:	MEGKEEPGSD SGTAVVALI RGKQLIVANA GDSRCVVSEA GKALDMSYDH KPEDEVELAR IKNAGGKVTM DGRVNGGLNL SRAIGDHFYK RNKNLPPEEQ MISALPDIKV LTLTDDHEFM VIACDGIWNV MSSQEVVDFI QSKISQRDEN GELRLSSIV EELLDQCLAP DTSGDGTGCD NMTCIICFK PRNTAELQPE SGKRKLEEV LSTEGAEENG SDKKKKAKRD LEHHHHHH
Characteristics:	Recombinant Human Protein Phosphatase 1G/PP1MG is produced with our E. coli expression system. The target protein is expressed with sequence (Met317-Asp546) of Human PPM1G.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PPM1G
Alternative Name:	ppm1g (PPM1G Products)
Background:	<p>Protein Phosphatase 1G (PP1MG) is a cytoplasmic protein that belongs to the PP2C family. PPM1G is widely expressed, it is abundant in testis, skeletal muscle, and heart. PPM1G is a negative regulator of cell stress response pathways. PPM1G is responsible for the dephosphorylation of Pre-mRNA splicing factors, an important factor for the formation of functional spliceosome. PPM1G also plays a role in regulating cell cycle progression.</p> <p>Alternative Names: Protein Phosphatase 1G, Protein Phosphatase 1C, Protein Phosphatase 2C Isoform Gamma, PP2C-Gamma, Protein Phosphatase Magnesium-Dependent 1 Gamma, PPM1G, PPM1C</p>
Molecular Weight:	26.15 kDa
UniProt:	O15355

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 25 mM TrisHCl, 1 mM DTT, 1 mM EDTA, 2 mM β-ME, 20 % Glycerol, pH 7.5.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months