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Datasheet for ABIN1097367

PPM1G Protein (AA 1-323, Catalytic Subunit) (His tag)

Overview

Quantity:	50 µg
Target:	PPM1G
Protein Characteristics:	Catalytic Subunit, AA 1-323
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 1C Catalytic Subunit/PPP1CC (N, C-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MADLDKLNID SIIQRLLFVR GSKPGKNVQL QENEIRGLCL KSREIFLSQP ILLELEAPLK ICGDIHGQYY DLLRLFYGG FPESNYLFL GDYVDRGKQS LETICLLLAY KIKYPENFFL LRGNHECASI NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRRM RPTDVPDQGL LCDLLWSDPD KDLVGWGEN RGVSFTFGAE VVAKFLHKHD LDLCRAHQV VEDGYEFFAK RQLVTLFSAP NYCGEFDNAG AMMSVDETLN CSFQILKPAE KKKPNATRPV TPRGMITKQ AKKLEHHHHH H
Characteristics:	Recombinant Human Serine/Threonine-Protein Phosphatase PP1-gamma Catalytic Subunit/PPP1CC is produced by our E. coli expression system. The target protein is expressed with sequence (Ala2-Lys323) of Human PPP1CC fused with a 6His tag at both the N-terminus and C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

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:	Protein Phosphatase 1C (PPM1G Products)
Sub Type:	Fusionprotein
Background:	<p>Serine/Threonine-Protein Phosphatase PP1-Ypsilon Catalytic Subunit (PPP1CC) is a member of the PPP phosphatase family. It is essential for cell division, participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. PPP1CC colocalizes with SPZ1 in the nucleus, with URI1 at mitochondrion, Rapidly exchanges between the nucleolar, nucleoplasmic and cytoplasmic compartments. As a cofactor, PPP1CC binds one iron ion and one manganese ion per subunit.. In addition, PPP1CC may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II.</p> <p>Alternative Names: Serine/Threonine-Protein Phosphatase PP1-Gamma Catalytic Subunit, PP-1G, Protein Phosphatase 1C Catalytic Subunit, PPP1CC</p>
Molecular Weight:	40.2 kDa
UniProt:	P36873

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 20 mM TrisHCl, 1 mM DTT, pH 8.0 .
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE

Handling

which should be handled by trained staff only.

Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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Storage:	-80 °C
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Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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