

OriGene Technologies, Inc.

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Product datasheet for RC205263

Protein phosphatase inhibitor 1 (PPP1R1A) (NM_006741) Human Tagged ORF Clone

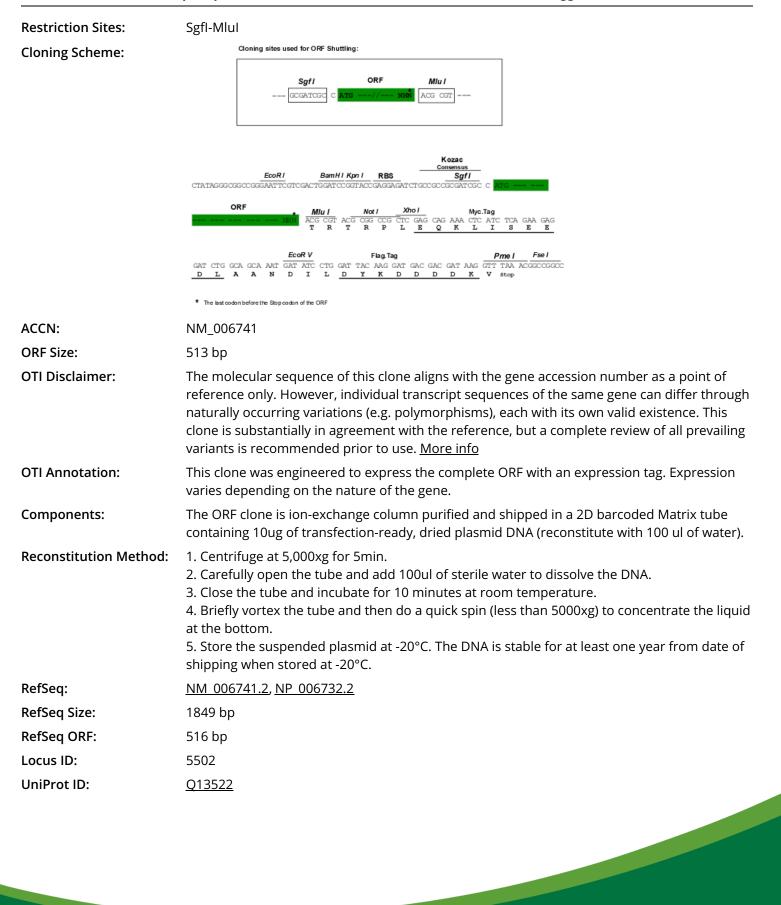
Product data:

Product Type:	Expression Plasmids
Product Name:	Protein phosphatase inhibitor 1 (PPP1R1A) (NM_006741) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Protein phosphatase inhibitor 1
Synonyms:	I1; IPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC205263 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC
	ATGGAGCAAGACAACAGCCCCCAAAAGATCCAGTTCACGGTCCCGCTGCTGGAGCCGCACCTTGACCCCG AGGCGGCGGAGCAGATTCGGAGGCGCCGCCCCACCCTGCCACCCTCGTGCTGACCAGTGACCAGTCATC CCCAGAGATAGATGAAGAACCGGATCCCCAACCCACATCTCAAGTCCACTTTGGCAATGTCTCCACGGCAA CGGAAGAAGATGACAAGGATCACACCCACAATGAAAGAGCTCCAGATGATGGTTGAACATCACCTGGGGC AACAGCAGCAAGGAGAGGAACCTGAGGGGGCCGCTGAGAGCACAGGAACCCAGGAGTCCCGCCCACCTGG GATCCCAGACACAGAAGTGGAGTCAAGGCTGGGCACCTCTGGGACAGCAAAAAAAA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC205263 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MEQDNSPQKIQFTVPLLEPHLDPEAAEQIRRRRPTPATLVLTSDQSSPEIDEDRIPNPHLKSTLAMSPRQ RKKMTRITPTMKELQMMVEHHLGQQQQGEEPEGAAESTGTQESRPPGIPDTEVESRLGTSGTAKKTAECI PKTHERGSKEPSTKEPSTHIPPLDSKGANSV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6027_c05.zip



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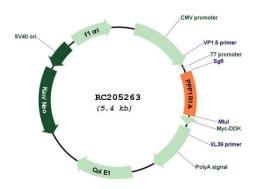
CRIGENE Protein phosphatase inhibitor 1 (PPP1R1A) (NM_006741) Human Tagged ORF Clone – RC205263



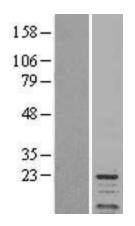
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	Protein phosphatase inhibitor 1 (PPP1R1A) (NM_006741) Human Tagged ORF Clone – RC205263
Cytogenetics:	12q13.2
Protein Families:	Druggable Genome
Protein Pathway	Long-term potentiation
MW:	18.9 kDa
Gene Summary:	Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.[UniProtKB/Swiss-Prot Function]

Product images:



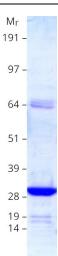
Circular map for RC205263



Western blot validation of overexpression lysate (Cat# [LY402013]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205263 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified PPP1R1A protein (Cat# [TP305263]). The protein was produced from HEK293T cells transfected with PPP1R1A cDNA clone (Cat# RC205263) using MegaTran 2.0 (Cat# [TT210002]).

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