PPP1R2 cDNA

Catalog Number: ATGD0333

PRODUCT INFORMATION

Catalog number
ATGD0333

Product type
cDNA

Species
Human

NCBI Accession No.
NP_006232.1

Alternative Names
Protein phosphatase inhibitor 2, Protein phosphatase 1, Regulatory (inhibitor) subunit 2, IPP-2, PPP1R2

mRNA Refseq
NM_006241.7

OMIM
601792

Chromosome location
3q29

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
618bp

Preparation before usage
1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
Each tube contains approximately 10ug of lyophilized plasmid.

Vector description
This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector
pATGen (puc19-derived cloning vector)

General Description

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Website: www.nkmaxbio.com email: supportbio@nkmax.com

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PPP1R2 is an inhibitor of protein-phosphatase 1 and forms heterodimer with PP1. Phosphorylation on Thr-73 by GSK3 activates PP1 by dissociating the PP1-PPP1R2 complex. Phosphorylation on Ser-44 by ATM activates PP1 by dissociating the PP1-PPP1R2 complex.

DATA

Sequence nucleotides

ATGGCGGCCTCGACGGCCTCGCACCGGCCCATCAAGGGGATCTTGAAGAACAAGACCTCTACGACTTCCTCTATGGTGGCG
TCGGCCGAACAGCCCCGCGGGAATGTCGACGAGGAGCTGAGCAAAAAATCCCAGAAGTGGGATGAAATGAACATCTTGGC
GACGTATCATCCAGCAGACAAAGACTATGGTTTAATGAAAATAGATGAACCAAGCACTCCTTACCATAGTATGATGGGGGAT
GATGAAGATGCCTGTAGTGACACCGAGGCCACTGAAGCCATGGCGCCAGACATCTTAGCCAGGAAATTAGCTGCAGCTGAA
GGCTTGGAGCCAAAGTATCGGATTCAGGAACAAGAAAGCAGTGGAGAGGAGGATAGTGACCTCTCACCTGAAGAACGAGA
AAAAAAGCGACAATTTGAAATGAAAAGGAAGCTTCACTACAATGAAGGACTCAATATCAAACTAGCCAGACAATTAATTTCAA
AAGACCTACATGATGATGATGAAGATGAAGAAATGTTAGAGACTGCAGATGGAGAAAGCATGAATACGGAAGAATCAAATC
AAGGATCTACTCCAAGTGACCAACAGCAAAACAAATTACGAAGTTCATAG

Transaction Sequence

MAASTASHRP IKGILKNKTS TTSSMVASAE QPRGNVDEEL SKKSQKWDEM NILATYHPAD KDYGLMKIDE PSTPYHSMMG
DDEDACSDTE ATEAMAPDIL ARKLAAAEGL EPKYRIQEQE SSGEEDSDLS PEEREKKRQF EMKRKLHYNE GLNIKLARQL
ISKDLHDDDE DEEMLETADG ESMNTEESNQ GSTPSDQQQN KLRSS