

Product datasheet for **RC218279**

RPP14 (NM_001098783) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP14 (NM_001098783) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RPP14
Synonyms:	P14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218279 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCCTGCTGCCACATATGAAAGAGTAGTTTACAAAACCCCTCCGAGTACCACTACATGAAAG
TCTGCCTAGAATTTCAAGATTGTGGAGTTGGACTGAATGCTGCACAGTTCAAACAGCTGCTTATTTCCGGC
TGTGAAGGACCTGTTGGGGAGTTGATGCCGCTTACCTTTGGACATCCTAACCTATGAAGAGAAGACC
TTGTCAGCCATCTTGAGAATATGTAGCAGTGGTCTTGCAAATTGTGGAGCTCTTGACCCTGTTAGGAT
CCTATAAAGGCAAAAAATGTGCTTCCGGGTGATTCAGGTTTCTCCATTTCTTCTGCATTATCTGGTAA
TAGTAGGGAAGTATTGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC218279 protein sequence Red=Cloning site Green=Tags(s)
Chromatograms:	https://cdn.origene.com/chromatograms/mk6325_h09.zip
Restriction Sites:	SgfI-MluI

MPAPAATYERVVYKNPSEYHYMKVCLFQDCGVLNAAQFKQLLISAVKDLFGEVDAALPLDILTYEEKT
LSAILRICSSGLVKLWSSLTLLGSYKGGKCAFRIQVSPFLLALSGNSRELVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Cloning Scheme:


ACCN: NM_001098783

ORF Size: 372 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001098783.3](#)

RefSeq Size: 3500 bp

RefSeq ORF: 375 bp

Locus ID: 11102

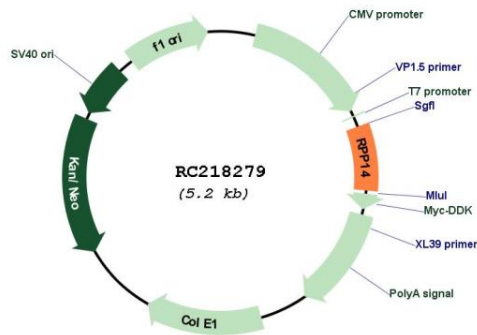
UniProt ID: [O95059](#)

Cytogenetics: 3p14.3

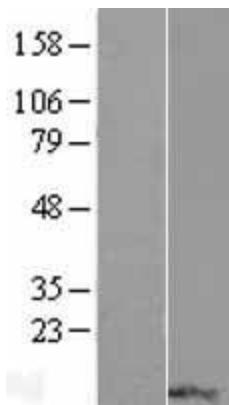
MW: 13.7 kDa

Gene Summary: This gene encodes a subunit of ribonuclease P and has 3' to 5' exoribonuclease activity. Transcripts for this gene are bicistronic and include a conserved downstream open reading frame for the hydroxyacyl-thioester dehydratase type 2 (HTD2) gene. [provided by RefSeq, May 2017]

Product images:



Circular map for RC218279



Western blot validation of overexpression lysate (Cat# [LY420672]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218279 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).