

Product datasheet for SC316328

RPP14 (NM_001098783) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP14 (NM_001098783) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP14
Synonyms:	P14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316328 representing NM_001098783. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCCTGCCCCTGCTGCCACATATGAAAGAGTAGTTTACAAAAACCCCTCCGAGTACCACTACATGAAA
 GTCTGCCTAGAAATTTCAAGATTGTGGAGTTGGACTGAATGCTGCACAGTTCAAACAGCTGCTTATTTG
 GCTGTGAAGGACCTGTTGGGGAGGTTGATGCCGCCTTACCTTTGGACATCCTAACCTATGAAGAGAAG
 ACCTTGTGAGCCATCTTGAGAATATGTAGCAGTGGTCTTGTCAAATTGTGGAGCTCTTTGACCCTGTTA
 GGATCCTATAAAGGCAAAAAATGTGCTTCCGGGTGATTAGGTTTCTCCATTTCTTCTGCATTATCT
 GGTAATAGTAGGGAAGTAGTATTGGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001098783
Insert Size:	375 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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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:	<ol style="list-style-type: none"> 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:	<u>NM_001098783.2</u>
RefSeq Size:	3500 bp
RefSeq ORF:	375 bp
Locus ID:	11102
UniProt ID:	<u>O95059</u>
Cytogenetics:	3p14.3
MW:	13.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>