

Product datasheet for **SC115755**

RPP14 (NM_007042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP14 (NM_007042) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP14
Synonyms:	P14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115755 sequence for NM_007042 edited (data generated by NextGen Sequencing)

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ATGCCTGCCCTGCTGCCACATATGAAAGAGTAGTTTACAAAAACCCCTCCGAGTACCAC
TACATGAAAGTCTGCCTAGAATTTCAAGATTGTGGAGTTGGACTGAATGCTGCACAGTTC
AAACAGCTGCTTATTTCCGCTGTGAAGGACCTGTTGGGGAGGTTGATGCCGCCTTACCT
TTGGACATCCTAACCTATGAAGAGAAGACCTTGTGAGCCATCTTGAGAATATGTAGCAGT
GGTCTTGTCAAATTGTGGAGCTCTTTGACCCTGTTAGGATCCTATAAAGGCAAAAAATGT
GCTTTCCGGGTGATTCAGGTTTCTCCATTTCTTCTGCATTATCTGGTAATAGTAGGGAA
CTAGTATTGGATTGA
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Clone variation with respect to NM_007042.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_007042 unedited GTATACGACTCACTATAGGCGGCCGCGACATTCGCACGGGGCCAAACGTAAGACACCAG GAGTTTCTCGGGCCAGCTGTGGCTGCTGCCGGGAGCCCAAGCCTTGGCGGGTCTTG CGGCGAATAGGAGTCTGGTCAGGCGTCAGGCTAGTCCGACGAAGAGTGGGTGTGATCAGC ACTGGAAGATGCCTGCCCTGCTGCCACATATGAAAGAGTAGTTTACAAAAACCCCTTC CGAGTACCACTACATGAAAGTCTGCCTAGAATTTCAAGATTGTGGAGTTGGACTGAATGC TGCACAGTTCAAACAGCTGCTTATTTTCGGCTGTGAAGGACCTGTTTGGGAGGTTGATGC CGCCTTACCTTTTGACATCCTAACCTATGAAGAGAAGACCTTGTAGCCATCTTGAGAAT ATGTAGCAGTGGTCTTGTCAAATTTGTGGAGCTCTTTGACCCTGTTAGGATCCTATAAAGG CAAAAAATGTGCTTTCCGGGTGATTCAGGTTTCTCCATTTCTTCTTGCATTATCTGGTA ATAGTAGGAACTAGTATTGGATTGAATGAATAGTCTTCCATTNTGGAACGTTTCATCCA CTCTCATATTTATTTTTTGGTGCCTGCATGTTTGAAGACTGAAGCANGCTAAAAGCTCT TGATGAAATTTGAGGGTCTGAAGATGNTCCCACTAATTTCCAGCCATCACCTTTGTGGG GGTGGGCTTCCGAGGACAGTCTGTCTGACCCTGCCATTGCTGACCCTGCAGCACTTTCA GCATATGCCATCAAAGTTGGGAGACCGCGCTGACTTTAAGGAGGCCTTCACACAGACTGG AGGGGCCTACCTTCTAGAATACAGGGGAATGCCATCCTTTGCACCTGAATGAGACTTGC AAACACACCAGNTTGAATACATTGCCCATGGGGTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_007042 unedited CCGCGGCCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGTAGAGATGGGGTTTC ACCATGTTGGCCAGGCTGGTCTTGGACTCCTGACCTCAAGTGATCCGCTGCCGAGCCT CCCAAAGTGCCAGGATTACAGGCATGAGCCACCGGGCCAGCCTACTTCTTGAATTA AACAAAAACAAACAAAAACCCAGGCAGATAATGAAATCCTGCATACACTCAAGTCTGC ATGAAGCATAAGGCCAAACTGGAAGTGGGCATTTGAACAACCCTTCTCTGCTCCCTTC CCCTAACTAAGATGGGCTTCTGGGCCTATCAACCATTCTTTGGTAAAGAGCAGCAATTCC CCATAGGCTCTTTAAACAAGCATTGGTGTGGAGCCGCATCTTTAAACATCTATTTTC AGGATTTGGAAGCTTCTGGAACCATAACTTTAACCCAGCCTTCCATAACAGCCTTTCTAC TTTCTATTACAGAACATGACACTGCAATAATAGCAATGAACCGCTTTAGCTTTTTCACTT TTGCAGAACCTAAAACACTTCTCAATATATAAAGGGGCTGGAAAGCAAACCTCCCTGG AAAGAAAACACAGCCTGGCCCTGCATTTTATTTCTAGGAAAGCTGACAAAGTCCGTTGAT CAAAACCTCTGGACAATTCGATTTCCAAAATGGGCGCTTTGAAAAGCCTTAATTAACG CAAAGGATGACATCCCTGTAATTTTCGAAAAGTACCCCATCACTTTTGGGAAGGCCTCCA AGTTAAGGGGCGCCAAATTTGAGCGCATAGCTGAAGCGCCGATGGGCACCCCTGCGAGT TAAAAACCGCCTTTCAAACCCACCCCAAGGGCAGGTCGAAAATAATGGGAACATTTA ATACCTCCAATCCATAAGCTTTAACCGTTTGGCTTTAAAATCGCGGCCAAAAATAAATTA AGGGGAAAGGTTCAACGGAACACTTTTTTC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_007042
Insert Size:	1600 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).
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_007042.1](#), [NP_008973.1](#)

RefSeq Size: 1567 bp

RefSeq ORF: 375 bp

Locus ID: 11102

UniProt ID: [O95059](#)

Cytogenetics: 3p14.3

Domains: MaoC_dehydratas

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]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.