

Product datasheet for **SC116103**

RPP30 (NM_006413) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP30 (NM_006413) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP30
Synonyms:	TSG15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116103 sequence for NM_006413 edited (data generated by NextGen Sequencing)

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ATGGCGGTGTTTGCAGATTTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCGCGGA
CTTGTGGAGACGCCCTCACCTTGGCTATTCAGTTGTTGCTATCAATCATATCGTTGAC
TTAAGGAAAAGAAACAGGAAATTGAAAAACCAGTAGCTGTTTCTGAACTCTTCACAACT
TTGCCAATTGTACAGGAAAAATCAAGACCAATTAATAATTTAACTAGATTAACAATTATT
GTCTCGGATCCATCTCACTGCAATGTTTTGAGAGCAACTTCTCAAGGGCCCGGCTCTAT
GATGTTGTTGCAGTTTTTCAAAGACAGAAAAGCTTTTTCATATTGCTTGCACACATTTA
GATGTGGATTTAGTCTGCATAACTGTAACAGAGAACTACCATTTTACTTCAAAGACCT
CCTATTAATGTGGCGATTGACCGAGGCCTGGCTTTTGAAGTTGTCTATAGCCCTGCTATC
AAAGACTCCACAATGAGAAGGTATACAATTTCCAGTGCCCTCAATTTGATGCAAATCTGC
AAAGGAAAAGAATGTAATTATATCTAGTGCTGCAGAAAGGCCTTTAGAAAATAGAGGGCCA
TATGACGTGGCAAATCTAGGCTTGTGTTGGGCTCTCTGAAAAGTGACGCCAAGGCTGCG
GTGTCCACCAACTGCCGAGCAGCGCTTCTCCATGGAGAACTAGAAAAACTGCTTTTGGGA
ATTATCTCTACAGTGAAGAAACCTCGGCCATCAGAAGGAGATGAAGATTGTCTTCCAGCT
TCCAAGAAAGCCAAGTGTGAGGGCTGA

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Clone variation with respect to NM_006413.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006413 unedited GTTTTTGTATACGACTCACTATAGGGGCGGCCGAATTCGCACGAGGGCATGGCGGTG TTTGCAGATTTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCGCGGACTTGTGGAG ACAGCCGCTCACCTTGGCTATTCAGTTGTTGCTATCAATCATATCGTTGACTTTAAGGAA AAGAAACAGGAAATTGAAAAACAGTAGCTGTTTCTGAACTCTTCACAACTTTGCCAATT GTACAGGGAAAAATCAAGACCAATTAATAATTTAACTAGATTAACAATTATTGTCTCGGAT CCATCTCACTGCAATGTTTTGAGAGCAACTTCTCAAGGGCCCGGCTCTATGATGTTGTT GCAGTTTTTCCAAGACAGAAAAGCTTTTTTCATATTGCTTGACACATTTAGATGTGGAT TTAGTCTGCATAACTGTAACAGAGAAAACCTACCATTTTACTTCAAAAAGACCTCCTATTAAT GTGGCGATTGACCGAGGCTGGCTTTTGAACCTGTCTATAGCCCTGCTATCAAAGACTCC ACAATGAGAAGGTATAACAATTTCCAGTGCCCTCAATTTGATGCAAATCTGCAAAGGAAAG AATGTAATTATATCTAGTGCTGCAGAAAGGCTTTAGAAATAAGAGGGCCATATGACGTG GCAAATCTAGGCTTGTGTTGGGCTCTCTGAAAGTGACGCCAAGGCTGCGGTGCCACC AACTGCCGAGCAGCGCTTCTCCATGGAGAAACCTAGAAAAGCTGTTTTGGAATTATCTCT ACAGTGAAGAAACCTCGCCATCAGAAGAGATGAAGATTGTCTCAGCTTCCAAGAGCC AGTGTGAGGGCTGAAAAGAATGCCAGTCTCTGTGACGACTCCCTTCTCTTTTATAGT TCATCAGCCACCCACAAATAAAACCTTGTGTGATTTACTGGNTTCAAAAANNAAAAAAAAA CTCGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006413 unedited CCGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTGGAAAACAGTAAATCACACAAAGG TTTTATTTTTGTTGGCTGATGAACTATAAAAGGAAGAAGGGAGTGCTGACAGAGACT GGGGCACTTCTTTTTCAGCCCTCACACTTGGCTTTCTTGGAAAGTGAAGACAATCTTCATC TCCTTCTGATGGCCGAGGTTTCTCACTGTAGAGATAATTCCAAAAGCAGTTTTTCTAGT TTCTCCATGGAGAAGCGCTGCTCGGCAGTTGGTGGACACCCGACGCTTGGCGTCACTTTC AGAGAGCCCAAACAGCAAGCCTAGATTTGCCACGTATATGGCCCTCTTATTTCTAAAGG CCTTTCTGCAGCACTAGATATAATTACATTCTTTCCTTTGAGATTTGCATCAAATTGAG GGCAGTGGAAATTGTATACCTTCTCATTGTGGAGTCTTTGATAGCAGGGCTATAGACAAG TTCAAAGCCAGGCTCGGTCAATCGCCACATTAATAGGAGGCTTTTGAAGTAAATGG TAGTTTCTCTGTTACAGTTATGCAGACTAAATCCACATCTAAATGTGTGCAAGCAATATG AAAAAAGCTTTTCTGTCTTTGGAAAACTGCAACAACATCATAGAGCCGGGCCCTTGAAGA AGTTGCTCTCAAACATTGCAAGTGAAGATGGATCCGAGACAATAATTGCTAATCTAGTTAA AATTCTAATTGGCCTTGATTTTCCCTGTACCATTGGCNAAGTGTGAAGGCTCAGAAAAC AGCTACTGGTTTTTCAATTTCTGTTTCTTTTCTTTAAGNCACGATATGATTGATAGCC ACCACTGAATAGCCAGGTGAGCGGCTGTCTCCACAGTCCGCGCAGAGCCTTCAGTCAGA TCCGCTCGCAGTCCAATCTGCAACACCGGCTGCCCTCGTGCCGATTGCGGGCCGCTTAG TGAGTCGATTACAATNCTGACCGTACCTATCGAGCCG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006413
Insert Size:	930 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:	<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:	NM_006413.2 , NP_006404.1
RefSeq Size:	2643 bp
RefSeq ORF:	807 bp
Locus ID:	10556
UniProt ID:	P78346
Cytogenetics:	10q23.31
Domains:	RNase_P_p30
Gene Summary:	<p>Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:9037013, PubMed:9630247, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR, which results in a frameshift, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a.</p>