

Product datasheet for **SC329097**

PREPL (NM_001171603) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREPL (NM_001171603) Human Untagged Clone
Tag:	Tag Free
Symbol:	PREPL
Synonyms:	CMS22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001171603, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCAGAAGACCAAATTATTTCTCCAAGCTTTGAAGTATAGTATTCCTCACCTTGG
AAATGCATGCAGAAACAGCATTGTAATCACTATAAATTCGCTGATCATTGTTACAATAGA
ATAAAATTGAAAAATATCACCTAACCAAGTGTCTTCAGAATAAACCCAAGATATCAGAG
TTAGCAAGAAACATCCCAAGTCGGAGCTTCTCATGTAAGGATCTTCAGCCTGTAAACAA
GAAAACGAAAAACCCCTTCCAGAAAACATGGATGCATTTGAAAAAGTGAGAACAAAATTA
GAAACACAGCCACAAGAAGAATATGAAATCATCAATGTGGAAGTTAAACATGGTGGTTTT
GTTTATTACCAAGAAGGTTGTTGCTTGGTTCGTTCCAAAGATGAAGAAGCAGACAATGAT
AATTATGAAGTTTTATTCAATTTGGAGGAACTTAAGTTAGACCAGCCCTTCATTGATTGT
ATCAGAGTTGCTCCAGATGAAAAATATGTGGCTGCCAAGATAAGAAGTGAAGATTCTGAA
GCATCTACCTGTGAATTATAAAGCTCAGCGATCAGCCCGTAATGGAAGCTTCTTTCCCG
AATGTGTCAGTTTTGAATGGTAAAGGACGAGGAAGTGAAGATGTTTTATTCTACACC
TTCCAGAGGAACCTTCGCTGTCATGACGTATATCGAGCCACTTTTGGTGATAACAAACGT
AATGAACGCTTTTACACAGAAAAAGACCCAAGCTACTTTGTTTTCTTTTATCTTACAAA
GACAGTCGTTTCCCTACCATAAATATTATGAACAAGACTACTTCTGAAGTGTGGTTGATA
GATGGCCTGAGCCCTTGGGACCCACCAGTACTTATCCAGAAGCGAATACATGGGGTCCCT
TACTATGTTGAACACAGAGATGATGAATTATACATTCTCACTAATGTTGGAGAACCTACA
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TTTACAATGAAGAGAAATACAAAAGTATAGACTTGGACATGTTTAAGGATCACTGTGTT
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GTTCCGCTCTAAAGCTCCCTCCTTGGGCTGTGGATTCATAATGGATACAAATTCTGAC
CCAAAGAACTGCCCTTTCAACTTTGCTCTCAATACGTCGCCCAAAATATTACACATAC
AAGTTTTGCAGAAGGCAAACCTGTTTGAGGAAACTGGGCATGAAGACCCAATCACAAAGACT
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TTCCACAAAACCTGACTCTGAGGACTTGCAGAAGAACTCTCTTGGTACATGTATATGGA
GCTTATGGAATGGATTTGAAAATGAATTCAGGCCTGAGAGGCGGGTCTGGTGGATGAT
GGATGGATATTAGCATACTGCCATGTTTCGAGGTGGTGGTGAAGTTCAGCCTCCAGTGGC
GCTGATGGCCGCTAACTAAAAACTCAATGGCCTTGGTATTTAGAGGCTTGCATTAAG
ACGCTTCATGGCCAAGGCTTTTCTCAGCCAAGTCTAACAACCCTGACTGCTTTCAGTGCT
GGAGGGTGCTTGCAGGAGCATTGTGTAATTCTAATCCAGAGCTGGTGAAGCGGTGACT
TTGGAGGCACCTTCTTGGATGTTCTCAACACCATGATGGACACTACACTTCTCTGACA
TTAGAAGAATTAGAAGAATGGGGGAATCCTTCATCTGATGAAAAACACAAGAACTACATA
AAACGTTACTGTCCCTATCAAAATATTAACCTCAGCATTATCCTTCAATTCACATAACG
GCATATGAAAACGATGAACGGGTACCTCTGAAAGGAATTGTAAGTTATACTGAGAAAAC
AAGGAAGCCATCGCGGAGCATGCTAAGGACACAGGTGAAGGCTATCAGACCCCTAATATT
ATTCTAGATATTCAGCCTGGAGGCAATCATGTAATTGAGGATTCTCACAAAAAGATTACA
GCCCAAAATTAATTCCTGTACGAGGAACTTGGACTTGACAGCACCAGTGTTCGAGGAT
CTTAAGAAATACCTGAAATCTGA
    
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Restriction Sites: Please inquire

ACCN: NM_001171603

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.

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_001171603.1, NP_001165074.1</u>
RefSeq Size:	6318 bp
RefSeq ORF:	2184 bp
Locus ID:	9581
UniProt ID:	<u>Q4J6C6</u>
Cytogenetics:	2p21
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>The protein encoded by this gene belongs to the prolyl oligopeptidase subfamily of serine peptidases. Mutations in this gene have been associated with hypotonia-cystinuria syndrome, also known as the 2p21 deletion syndrome. Several alternatively spliced transcript variants encoding either the same or different isoforms have been described for this gene.[provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (2, also known as variant C1) contains an additional 5' non-coding exon compared to variant 1. Variants 1-3 encode the same isoform (1). 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.</p>