

Product datasheet for **SC311300**

PREPL (NM_001042385) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREPL (NM_001042385) Human Untagged Clone
Tag:	Tag Free
Symbol:	PREPL
Synonyms:	CMS22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



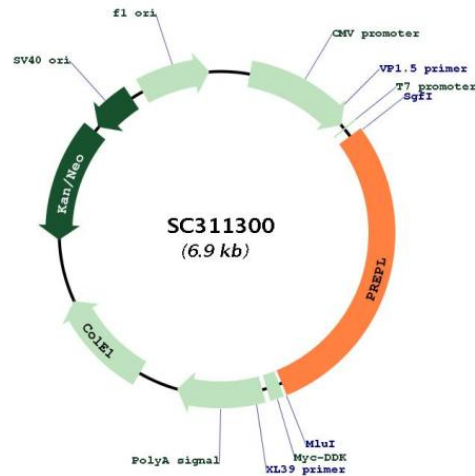
[View online »](#)

Fully Sequenced ORF: >SC311300 representing NM_001042385.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCAGAAGACCAAATTTTCTCCAAGCTTTGAAGTATAGTATTCCCTCACCTTGAAAAATGCATG
CAGAAACAGCATTGAACTACTATAAATTCGCTGATCATTGTTACAATAGAATAAAATTGAAAAATAT
CACCTAACCAAGTGCTTCAGAATAAACCCAAGATATCAGAGTTAGCAAGAAACATCCCAAGTCGGAGC
TTCTCATGTAAGGATCTTCAGCCTGTTAAACAAGAAAACGAAAAACCCCTTCCAGAAAACATGGATGCA
TTTAAAAAGTGAGAACAAAATTAGAAACACAGCCACAAGAAGAAATGAAATCATCAATGTGGAAGTT
AAACATGGTGGTTTTGTTTATTACCAAGAAGGTTGTTGCTTGGTTCGTTCCAAAGATGAAGAAGCAGAC
AATGATAATTATGAAGTTTTATTCAATTTGAGGAACTTAAGTTAGACCAGCCCTTCATTGATTGTATC
AGAGTTGCTCCAGATGAAAAATATGTGGCTGCCAAGATAAGAAGTTCTGAAGCATCTACCTGT
GTAATTATAAAGCTCAGCGATCAGCCCGTAATGGAAGCTTCTTTCCGAATGTGTCCAGTTTTGAATGG
GTAAGGACGAGGAAGATGAAGATGTTTTATTCTACACCTTCCAGAGGAACCTTCGCTGTCATGACGTA
TATCGAGCCACTTTTGGTGATAACAAACGTAATGAACGCTTTTACACAGAAAAAGACCCAAGCTACTTT
GTTTTCTTTATCTTACAAAAGACAGTCGTTTCTCACCATAAATATTATGAACAAGACTACTTCTGAA
GTGTGGTTGATAGATGGCCTGAGCCCTGGGACCCACCAGTACTTATCCAGAAGCGAATACATGGGGTC
CTTTACTATGTTGAACACAGAGATGATGAATTATACATTTCTACTAATGTTGGAGAACCTACAGAATTT
AAGCTCCCTCCTTGGCCTGTGGATTATAATGGATACAAATTTGACCCAAAGAAGTCCCTTTCAA
CTTTGCTCTCCAATACGTCACCAAAATATTACACATAACAAGTTGCAGAAGGCAAAGTGTGGAGAA
AAATTAGTCCAATGACTGTTTTCCACAAAAGTACTGAGGACTTGCAGAAGAAACCTCTCTGGTA
CATGTATATGGAGCTTATGGAATGGATTTGAAAATGAATTTTACAGCCTGAGAGGCGGGTCTCGTGGAT
GATGGATGGATATTAGCATACTGCCATGTTGAGGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
GGCCGCCTAACTAAAAAAGTCAATGGCCTTGCTGATTTAGAGGCTTGCAATTAAGACGCTTCATGGCCAA
GGCTTTTCTCAGCCAAGTCTAACCAACCCTGACTGCTTTTCAAGTCTGGAGGGGTGCTTGCAGGAGCATTG
TGTAATTCTAATCCAGAGCTGGTGAAGCGGTGACTTTGGAGGCACCTTTCTGGATGTTCTCAACACC
ATGATGGACTACTACTTCTGACATTAGAAGAATTAGAAGAATGGGGGAATCCTTCATCTGATGAA
AAACACAAGAAGTACATAAAACGTTACTGTCCCTATCAAATATTAACCTCAGCATTATCCTTCAATT
CACATAACGGCATATGAAAACGATGAACGGGTACCTCTGAAAGGAATTGTAAGTTATACTGAGAACTC
AAGGAAGCCATCGCGGAGCATGCTAAGGACACAGGTGAAGGCTATCAGACCCCTAATATTATTCTAGAT
ATTCAGCCTGGAGGCAATCATGTAATTGAGGATTCTCACAAAAGATTACAGCCCAAATTAATTCCTG
TACGAGGAAGTGGACTTGACAGCACCAGTGTTCGAGGATCTTAAGAAATACCTGAAATTCGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001042385

Insert Size: 1998 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.

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_001042385.2](#)

RefSeq Size: 5792 bp

RefSeq ORF: 1998 bp

Locus ID: 9581

UniProt ID: [Q4J6C6](#)

Cytogenetics: 2p21

Protein Families: Druggable Genome, Protease

MW: 76.8 kDa

Gene Summary: 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]

Transcript Variant: This variant (4, also known as variant E) is missing an in-frame coding exon compared to variant 1, resulting in a shorter isoform (2) lacking an internal protein segment compared to 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.