

Product datasheet for **RG230378**

PREPL (NM_001171613) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREPL (NM_001171613) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PREPL
Synonyms:	CMS22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG230378 representing NM_001171613
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATGCATTTGAAAAAGTGAGAACAAAATTAGAAACACAGCCACAAGAAGAATATGAAATCATCAATG
 TGGAAAGTTAAACATGGTGGTTTTGTTTATTACCAAGAAGTTGTTGCTTGGTTTCGTTCCAAAGATGAAGA
 AGCAGACAATGATAATTATGAAGTTTTATTCAATTTGGAGGAACCTAAGTTAGACCAGCCCTTCATTGAT
 TGTATCAGAGTTGCTCCAGATGAAAAATATGTGGCTGCCAAGATAAGAAGTGAAGATTCTGAAGCATCTA
 CCTGTGTAATTATAAAGCTCAGCGATCAGCCCGTAATGGAAGCTTCTTTCCCGAATGTGTCCAGTTTTGA
 ATGGGTAAGGACGAGGAAGATGAAGATGTTTTATTCTACACCTCCAGAGGAACCTTCGCTGTCATGAC
 GTATATCGAGCCACTTTTGGTGATAACAAACGTAATGAACGCTTTTACACAGAAAAAGACCCAAGCTACT
 TTGTTTTCTTTATCTTACAAAAGACAGTCGTTTCTCACCATAAATATTATGAACAAGACTACTTCTGA
 AGTGTGGTTGATAGATGGCCTGAGCCCTGGGACCCACCAGTACTTATCCAGAAGCGAATACATGGGGTC
 CTTTACTATGTTGAACACAGAGATGATGAATTATACATTCCTACTAATGTTGGAGAACCTACAGAATTTA
 AGCTAATGAGAACAGCGCTGATACCCCTGCAATTATGAATTGGGATTTATTTTTACAATGAAGAGAAA
 TACAAAAGTGATAGACTTGGACATGTTAAGGATCACTGTGTTCTATTTCTGAAGCACAGCAATCTCCTT
 TATGTTAATGTGATTGGTCTGGCTGATGATTCAGTTTCGGTCTCTAAAGCTCCCTCCTTGGGCCTGTGGAT
 TCATAATGGATACAAATCTGACCCAAAGAAGTCCCTTTCACTTTGCTCTCCAATACGTCCCCAAA
 ATATTACACATACAAGTTTGCAGAAGGCAAACTGTTTGGAGAACTGGGCATGAAGACCAATCACAAAG
 ACTAGTCGCGTTTTACGCTAGAAGCCAAAAGCAAGGATGGAAAATTAGTCCAATGACTGTTTTCCACA
 AAACGACTCTGAGGACTTGCGAAGAAACCTCTCTTGGTACATGTATATGGAGCTTATGGAATGGATT
 GAAAATGAATTTTCAGGCCTGAGAGGCGGTCCTGGTGGATGATGGATGGATATTAGCATACTGCCATGTT
 CGAGGTGGTGGTGAAGTTAGGCTCCAGTGGCACGCTGATGGCCGCTAACTAAAAAACTCAATGGCCTTG
 CTGATTTAGAGGCTTGCATTAAGACGCTTCATGGCCAAGGCTTTTCTCAGCCAAGTCTAACAAACCTGAC
 TGCTTTCAGTGTGGAGGGTGTTCGAGGAGCATTGTGTAATTTAATCCAGAGCTGGTGAAGCGGTG
 ACTTTGGAGGCACCTTTCTTGGATGTTCTCAACACCATGATGGACTACACTTCTCTGACATTAGAAG
 AATTAGAAGATGGGGAATCCTTCATCTGATGAAAAACACAAGAAGTACATAAAACGTTACTGTCCCTA
 TCAAAATATTAACCTCAGCATTATCCTTCAATTCACATAACGGCATATGAAAACGATGAACGGGTACCT
 CTGAAAGGAATTGTAAGTTATACTGAGAACTCAAGGAAGCCATCGCGGAGCATGCTAAGGACACAGGTG
 AAGGCTATCAGACCCCTAATATTATTCTAGATATTCAGCCTGGAGGCAATCATGTAATTGAGGATCTCA
 CAAAAAGATTACAGCCAAATTAATTCCTGTACGAGGAAGTGGACTTGACAGCACCAGTGTTCGAG
 GATCTTAAGAAATACCTGAAATTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230378 representing NM_001171613
 Red=Cloning site Green=Tags(s)

MDAFEKVRTKLETQPQEEYEIINVEVKHGGFVYYQEGCCLVRSKDEEADNDNYEVLNLEELKLDQPFID
 CIRVAPDEKYVAAKIRTEDSEASTCVIIKLSQPVMEASFNVSSFVWVWVDEDEDVLFYTFQRNLRCHD
 VYRATFGDNKRNERFYTEKDPYFVFLYLTKDSRFLTINIMNKTSEVWLDGLSPWDPPVLIQKRIHGV
 LYYVEHRDDELYILTNVGEPTFKLMRTAADTPAIMNWDLFFTMKRNTKVIDLDMFKDHCVLFLKHSNLL
 YNVNIGLADDSVRSCLKLPWACGFIMDTNSDPKNCPFLCSPIRPPKYTYKFAEGKLFEEFGHEDPITK
 TSRVLRLEAKSKDGKLVPMTVFHKTDSEDLQKPLLVHVGAYGMDLKMNFRPERRVLVDDGWILAYCHV
 RGGGELGLQWHADGRLTKKLNGLADLEACIKTLHGQGSQPSLTTLTAFSAGGVLGALCNSNPELVRAV
 TLEAPFLDVLNTMMDTTLPLTLEEEWGNPSSDEKHKNYIKRYCPYQNIKPQHYPYSIHITAYENDERV
 LKGIYSYTEKLKEAIAEHAKDTGEGYQTPNIILDIQPGGNHVIEDSHKKITAQIKFLYEELGLDSTSVFE
 DLKKYLKF

TRTRPLE – GFP Tag – V

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001171613.2
RefSeq Size:	5907 bp
RefSeq ORF:	1917 bp
Locus ID:	9581
UniProt ID:	Q4J6C6
Cytogenetics:	2p21
Protein Families:	Druggable Genome, Protease
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]