

## Product datasheet for **RG204684**

### PGCP (CPQ) (NM\_016134) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PGCP (CPQ) (NM_016134) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PGCP
Synonyms:	LDP; PGCP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG204684 representing NM\_016134  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAATTCCTTATCTTCGCATTTTTTCGGTGGTGTTCACCTTTTATCCCTGTGCTCTGGGAAAGCTATAT  
 GCAAGAATGGCATCTCTAAGAGGACTTTTGAAGAAATAAAAGAAGAAATAGCCAGCTGTGGAGATGTTGC  
 TAAAGCAATCATCAACCTAGCTGTTTATGGTAAAGCCCAGAACAGATCCTATGAGCGATTGGCACTTCTG  
 GTTGATACTGTTGGACCCAGACTGAGTGGCTCCAAGAACCTAGAAAAAGCCATCCAAATTATGTACCAAA  
 ACCTGCAGCAAGATGGGCTGGAGAAAGTTCACCTGGAGCCAGTGAGAATACCCCACTGGGAGAGGGGAGA  
 AGAATCAGCTGTGATGCTGGAGCCAAGAATTCATAAGATAGCCATCCTGGGTCTTGGCAGCAGCATTGGG  
 ACTCCTCCAGAAGGCATTACAGCAGAAGTCTGGTGGTGACCTCTTTCGATGAAGTGCAGAGAAGGGCCT  
 CAGAAGCAAGAGGAAGATTGTTGTTTATAACCAACCTTACATCAACTACTCAAGGACGGTGAATACCG  
 AACGCAGGGGGCGGTGGAAGCTGCCAAGTTGGGGCTTTGGCATCTCTCATTTCGATCCGTGGCCTCCTTC  
 TCCATCTACAGTCTCACACAGGTATTCAGGAATACCAGGATGGCGTGCCCAAGATTCCAACAGCCTGTA  
 TTACGGTGAAGATGCAGAAATGATGTCAAGAATGGCTTCTCATGGGATCAAATTTGTCATTTCAGCTAAA  
 GATGGGGCAAAGACCTACCCAGATACTGATTCCTTCAACACTGTAGCAGAGATCACTGGGAGCAAATAT  
 CCAGAACAGGTTGACTGGTCACTGGACATCTGGACAGCTGGGATGTTGGCAGGGTGCCATGGATGATG  
 GCGGTGGAGCCTTTATATCATGGGAAGCACTCTCACTTATTAAGATCTTGGGCTGCGTCCAAAGAGGAC  
 TCTGCGGTGGTCTCTGGACTGCAGAAGAACAAGGTGGAGTTGGTGCCTTCCAGTATTATCAGTTACAC  
 AAGGTAATATTTCCAACACTACAGTCTGGTATGGAGTCTGACGCAGGAACCTTCTTACCCACTGGGCTGC  
 AATTCACCTGGCAGTAAAAGGCCAGGGCCATCATGGAGGAGTTATGAGCCTGCTGCAGCCCTCAATAT  
 CACTCAGGTCTGAGCCATGGAGAAGGGACAGACATCAACTTTTGGATCCAAGCTGGAGTGCCTGGAGCC  
 AGTCTACTTGATGACTTATAACAAGTATTTCTTCTTCCATCACTCCACGGAGACACCATGACTGTATGG  
 ATCCAAAGCAGATGAATGTTGCTGCTGCTGTTGGGCTGTTGTTTCTTATGTTGTTGCAGACATGGAAGA  
 AATGCTGCCTAGGTCC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG204684 representing NM\_016134  
 Red=Cloning site Green=Tags(s)

MKFLIFAFFGGVHLLSLCSGKAICKNGISKRTFEEIKEEIASCGDVAKAIINLAVYGKAQNRSYERLALL  
 VDTVGPRLSGSKNLEKAIQIMYQNLQQDGLKVLHLEPVRIPHWERGEESAVMLEPRIHKIAILGLGSSIG  
 TPPEGITAEVLVVTSFDELQRRASEARGKIVVYNQPYINYSRVQYRTQGAVEAAKVGALASLIRSVASF  
 SIYSPHTGIQEYQDGVPKIPTACITVEDAEMMSRMASHGIKIVIQKMGAKTYPDTSFNTVAEITGSKY  
 PEQVVLVSGHLDSWDVGQAMDDGGGAFISWEALSLIKDLGLRPKRTLRLVLTAEQGGVGAFFQYYQLH  
 KVNISNYSLVMSDAGTFLPTGLQFTGSEKARAIMEEVMSLLQPLNITQVLSHGEGTDINFWIQAGVPGA  
 SLLDDLYKYFFHHSHGDTMTVMDPKQMNVAADVAVVSYVVDMEMLPRS

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_016134

**ORF Size:** 1416 bp

**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:**

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\\_016134.2](#), [NP\\_057218.1](#)

**RefSeq Size:** 1928 bp

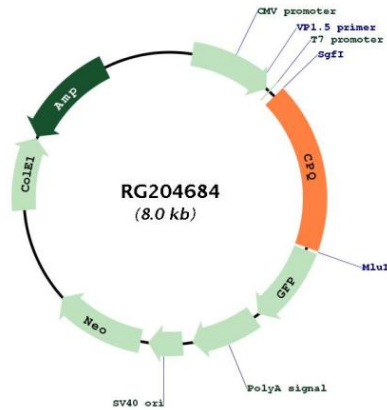
**RefSeq ORF:** 1419 bp

**Locus ID:** 10404

**UniProt ID:** [Q9Y646](#)

**Cytogenetics:** 8q22.1  
**Domains:** Peptidase\_M28  
**Protein Families:** Protease  
**Gene Summary:** This gene encodes a metallopeptidase that belongs to the peptidase M28 family. The encoded protein may catalyze the cleavage of dipeptides with unsubstituted terminals into amino acids. [provided by RefSeq, Jul 2013]

**Product images:**



Circular map for RG204684