

Product datasheet for **RG200301**

CLPP (NM_006012) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: CLPP (NM_006012) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: CLPP
 Synonyms: DFNB81; PRLTS3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG200301 representing NM_006012
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCCCGGAATATTGGTAGGGGGGGCCGGGTGGCGTCATGCAGGTACCCCGCGCTGGGGCCTCGCC
 TCGCCGCTCACTTTCCAGCGCAGCGGCCCGCAGCGGACTCCAGAACGGCCTGGCCCTGCAGCGGTG
 CCTGCACGCGACGGCGACCCGGGCTCTCCCGCTCATTCCCATCGTGGTGGAGCAGACGGGTGCGGGCAG
 CGCGCCTATGACATCTACTCGCGGTGCTGCGGGAGCGCATCGTGTGCGTCATGGGCCGATCGATGACA
 GCGTTGCCAGCCTTGTTATCGCACAGCTCCTCTTCTGCAATCCGAGAGCAACAAGAAGCCCATCCACAT
 GTACATCAACAGCCCTGGTGGTGTGGTGACCGCGGCCCTGGCCATCTACGACACGATGCAGTACATCCTC
 AACCCGATCTGCACCTGGTGGTGGGCCAGGCCGCGCATGGGCTCCCTGCTTCTCGCCCGCGCACCC
 CAGGCATGCGCCACTCGCTCCCCAACTCCCGTATCATGATCCACCAGCCCTCAGGAGGCGCCCGGGGCCA
 AGCCACAGACATTGCCATCCAGGCAGAGGAGATCATGAAGCTCAAGAAGCAGCTCTATAACATCTACGCC
 AAGCACACAAACAGAGCCTGCAGGTGATCGAGTCCGCATGGAGAGGGACCGCTACATGAGCCCATGG
 AGGCCAGGAGTTTGGCATCTTAGACAAGGTTCTGGTCCACCCTCCCAGGACGGTGAGGATGAGCCAC
 GCTGGTGCAGAAGGAGCCTGTAGAAGCAGCGCCGCGCAGACAACCTGTCCAGCTAGCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200301 representing NM_006012
 Red=Cloning site Green=Tags(s)

MWPGILVGGARVASCYPALGPRLAAHFPAQRPPQRTLQNLALQRCLHATATRALPLIPIVVEQTGRGE
 RAYDIYSRLLRERIVCVMGPIDDSVASLVIAQLLFLQSESNKKPIHMYINSPGGVVTAGLAIYDTMQYIL
 NPICTWCVGQAASMGSLLLAAGTPGMRHSLPNSRIMIHQPSSGGARGQATDIAIQAEIIMKLLKQLYNIYA
 KHTKQSLQVIESAMERDRYMSPMEAEQFEGILDKVLVHPPQDGEDEPTLVQKEPVEAAPAAEPVPAST

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006012

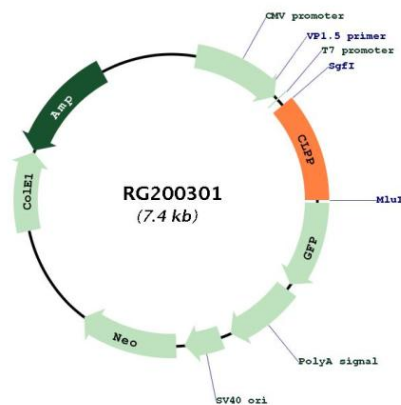
ORF Size: 831 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_006012.4</u>
RefSeq Size:	1194 bp
RefSeq ORF:	834 bp
Locus ID:	8192
UniProt ID:	<u>Q16740</u>
Cytogenetics:	19p13.3
Domains:	CLP_protease
Protein Families:	Druggable Genome, Protease
Gene Summary:	The protein encoded by this gene belongs to the peptidase family S14 and hydrolyzes proteins into small peptides in the presence of ATP and magnesium. The protein is transported into mitochondrial matrix and is associated with the inner mitochondrial membrane. [provided by RefSeq, Jul 2008]

Product images:


Circular map for RG200301