

Product datasheet for **MG204085**

Cfdp1 (NM_011801) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cfdp1 (NM_011801) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cfdp1 |
| Synonyms: | AA408409; Bcnt; Bucentaur; Cfdp; cp27 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG204085 representing NM_011801 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAATTCGACTCCGAAGACTTCTCCACATCGGACGAGGATGAGGACTACTTGCCGTCGGTGGAG
AGTACAGTGAAGATGATGTCAATGAATTAGTAAAGGAAGATGAAGTGGACGGTGAAGAGCAGGCTGAGAA
AACCAAAGGGAAAAGAAGGAAGGCTCAGGGCATTCCAGCCAGGAAAAGGAAACAAAGTGGCCTCTTGTTA
GAAGAAGAGGAAGATGGCAAGGAAGACTCTGGAGGTAGTAGCAGTGAAGAAGATGAAGAGGAGCAAGAAG
GAGGCCTTGGGTCAGAGAATGCAAGGAAGAAGAAGGAAGATGAGTTGTGGCCAGCTTCCTTAATGATGT
AGGACCAAAGTCAAAGCAGCCAGGTTCAAACTAAGGTAGCCGAGGAGACTGAAGAGATTAGTTCCG
AATAAACCGTTGGTCAAAGCAGATGAGCTGGATAAGCCTAGAGAATCAGAAAAGGTGAAGATTACCAAGG
TGTTTGACTTCGCTGGCGAAGAAGTAAGGGTGACTAAGGAAGTAGATGCTGCGTCTAAGGAAGCGAAGTC
TTTCTCAAGCAAACAGAGAGAGAAAAACCGCAGGCTCTTGTCACCTCACCAGCGACACCACTCCCTGCT
GGGTCAAGGATAAAAAGAGCAAGTGGTATGAGCAGCCTCTTAGGGAAAATTGGAGCAAAAAACAGAAGA
TGAGCACCTTGAGAAATCCAACTGGACTGGGAGAGCTTCAAGGAAGAAGAGGGGATTGGTGAAGAAGT
GGCCATCCATAACCGAGGAAAAGAAGGGTACATTGAGCGGAAAGCTTTTCTGGATCGAGTGGACCAAGG
CAGTTTGAAATTGAGCGAGATCTCAGGCTGAGCAAAATGAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204085 representing NM_011801
 Red=Cloning site Green=Tags(s)

MEEFDSEDFSTSDEDEDYLPSSGGEYSEDDVNELVKEDEVGEEQAETKKGKRRKAQGIPARKRKQSGLLL
 EEEEDGKEDSGGSSSEDEEEQEGGLGSENARKKKEDELWASFLNDVGPKSKAAPGSQTKVAEETEEISS
 NKPLVKADELDPRESEKVKITKVFDFAGEEVRVTKVDAASKEAKSFLKQTEREKPQALVTSPATPLPA
 GSGIKRASGMSSLLGKIGAKKQKMSTLEKSKLDWESFKEEEGIGEELAIHNRGKEGYIERKAFDRVDHR
 QFEIERDLRLSKMKP

TRTRPLE - GFP Tag - V

Restriction Sites:

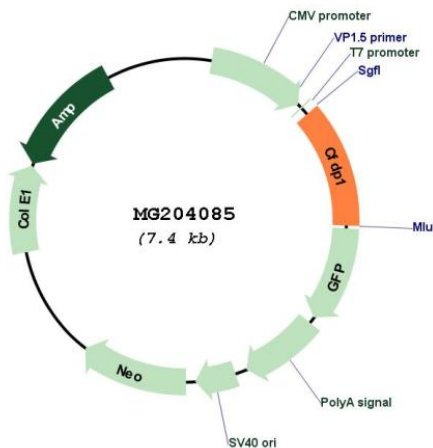
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_011801

ORF Size: 885 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: | <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_011801.2 |
| RefSeq Size: | 1215 bp |
| RefSeq ORF: | 888 bp |
| Locus ID: | 23837 |
| UniProt ID: | O88271 |
| Cytogenetics: | 8 E1 |
| Gene Summary: | May play a role during embryogenesis. May modulate tooth organogenesis since alterations of this protein function affect tooth organs size as well as individual cell fate and survival. In embryonic cells, blockage of the function results in increased number of apoptotic cells, reduced proliferation, alterations in cell shape and fibronectin matrix synthesis. [UniProtKB/Swiss-Prot Function] |