

Product datasheet for **RG201711**

CMBL (NM_138809) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CMBL (NM_138809) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CMBL |
| Synonyms: | JS-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG201711 representing NM_138809 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAACGAAGCTTATCCTTGTCCGTGTGACATTGGCCACAGACTTGAGTATGGAGGGCTAGGCCGTG
AAGTTCAAGTCGAGCACATCAAGGCTTATGTCACCAAATCCCCGTTGATGCAGGCAAAGCTGTATTGT
CATTCAAGATATATTTGGCTGGCAGTTGCCAATACCAGATATATAGCTGACATGATCTCAGGAAATGGA
TACACAACCATTGTTCCAGACTTCTTTGTAGGGCAAGAGCCTTGGGACCCCTCTGGGACTGGTCTATCT
TCCCTGAGTGGCTGAAAACAAGAAATGCCAGAAGATCGATAGAGAGATCAGTGCTATCTTGAAGTATCT
GAAACAACAGTGTGATGCCAGAAAATTGGCATCGTGGGATTCTGCTGGGGTGGAACTGCTGTCCATCAT
TTGATGATGAAATACTCAGAATTCAGGGCAGGGGTGTCCGTCTATGGCATTGTCAAGGATTCTGAAGACA
TTTACAATTTAAAGAACCCCACTTTGTTCAATTTTGTGAAAATGATGTTGTGATTCCACTCAAGGACGT
ATCTTTGCTGACTCAGAAGTTGAAAGAACACTGCAAAGTTGAATATCAAATTTAAACATTTTCTGGGCAG
ACTCATGGGTTTCGTGCATCGGAAGAGAGAAGATTGCTCACCTGCAGACAAGCCCTACATTGACGAGGCCA
GAAGGAATTTAATTGAGTGGCTGAACAAGTACATG

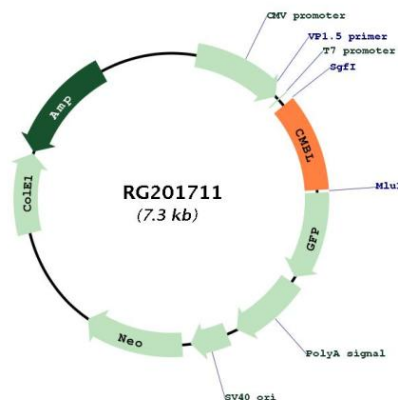
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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| 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_138809.4 |
| RefSeq Size: | 4047 bp |
| RefSeq ORF: | 738 bp |
| Locus ID: | 134147 |
| UniProt ID: | Q96DG6 |
| Cytogenetics: | 5p15.2 |
| Domains: | DLH |
| Protein Pathways: | Metabolic pathways |
| Gene Summary: | CMBL (EC 3.1.1.45) is a cysteine hydrolase of the dienelactone hydrolase family that is highly expressed in liver cytosol. CMBL preferentially cleaves cyclic esters, and it activates medoxomil-ester prodrugs in which the medoxomil moiety is linked to an oxygen atom (Ishizuka et al., 2010 [PubMed 20177059]).[supplied by OMIM, Apr 2010] |

Product images:



Circular map for RG201711