

## Product datasheet for **RG227274**

### **CBWD1 (NM\_001145355) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CBWD1 (NM\_001145355) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CBWD1  
**Synonyms:** COBP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG227274 representing NM\_001145355  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATTTCAAACGTGCCGCTCGGGCCTTTCCCGTATTGCTCACTGGTGCTGGGAAGACAACACTTCTGA  
ACTATATTTTGACAGAGCAACATAGTAAAAGAGTAGCGGTCATTTTAAATGAATTTGGGGAAGGAAGTGC  
GCTGGAGAAATCCTTAGCTGTCAGCCAAGGTGGAGAGCTCTATGAAGAGTGGCTGGAACCTAGAAACGGT  
TGCCCTGCTGTTCAAGTGAAGGACAGTGGCCTTAGAGCTATTGAGAATTTGATGCAAAAGAAGGGGAAAT  
TTGATTACATACTGTTAGAGACCACTGGATTAGCAGACCCTGGTGCAGTGGCTTCTATGTTTTGGGTTGA  
TGCTGAATTAGGGAGTGATATTTATCTTGATGGTATCATAACTATTGTGGATTCAAATATGGATTA  
CATTTAACAGAAGAGAAACCTGATGGCCTTATCAATGAAGCTACTAGGCAAGTTGCTTTGGCAGATGCCA  
TTCTCATTAAATAAACAGACCTGGTTCCAGAAGAAGATGTAAAGAAATTAAGAACGACAATTAGATCCAT  
AAATGGACTAGGACAAATCTTAGAAACAAAAGATCAAGAGTTGATCTCTCTAATGTATTAGATCTTCAT  
GCCTTTGATAGTCTCTGGAATAAGTTTGCAGAAAAAATTCAGCATGTGCCAGGAACACAACCTCACC  
TTGATCAGAGTATTGTTACAATCACATTTGAAGTACCAGGAAATGCAAAGGAAGAATCTTAATATGTT  
TATTCAGAATCTCCTGTGGGAAAAGAATGTGAGAAACAAGGACAATCACTGCATGGAGGTCATAAGGCTG  
AAGGGATTGGTGTCAATCAAAGCAAATCACAACAAGTATTGTCCAGGGTGTCCATGAGCTCTATGATC  
TGGAGGAGACTCCAGTGAAGGATGACTGAGGAGAAACAAATCGATTGGTCTCCTTGGCAGAAA  
TTTAGATAAGGATATCCTTAAACAGCTGTTTATAGCTACTGTGACAGAAACAGAAAAGCAGTGGACAACA  
CGTTTCCAAGAAGATCAAGTTTGTACA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227274 representing NM\_001145355  
Red=Cloning site Green=Tags(s)

MYFKRAARAFPVLLTGAGKTTLLNYILTEQHSKRVAVILNEFGECSALEKSLAVSQGGEL YEEWLELRNG  
 CLCCSVKDSGLRAIENLMQKKGKFDYILLETGLADPGAVASMFVWDAELGSDIYLDGIIITIVDSKYGLK  
 HLTEEKPDGLINEATRQVALADAILINKTDLVPEEDVKKLRTTIR SINGLGQILETQRSVDLSNVLDLH  
 AFDSLSGISLQKKLQHVPGTQPHLDQSI VITITFEVPGNAKEEHLNMF IQNLLWEKNVRNKDNHCMEVIRL  
 KGLVSIKDKSQQVIVQGVHELVDLEETPVSWKDDTERTNRLVLLGRNLDKDKILKQLFIATVTETEKQWTT  
 RFQEDQVCT

TRTRPLE - GFP Tag - V

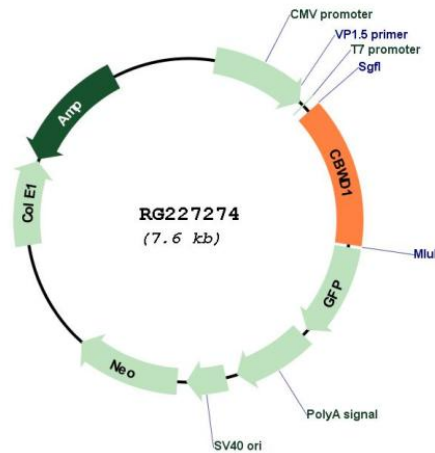
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001145355

<b>ORF Size:</b>	1077 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001145355.1</a> , <a href="#">NP_001138827.1</a>
<b>RefSeq Size:</b>	1838 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	55871
<b>UniProt ID:</b>	<a href="#">Q9BRT8</a>
<b>Cytogenetics:</b>	9p24.3