

## Product datasheet for **RG227294**

### CBWD1 (NM\_001145356) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CBWD1 (NM_001145356) 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:	>RG227294 representing NM_001145356 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTACCGGCTGTTGGATCTGCGGATGAGGAGGAGGATCCTGCGGAGGAGGATTGTCCTGAATTGGTTC  
CCATTGAGACGACGCAAAGCGAGGAGGAGGAAAAGTCTGGCCTCGGCGCCAAGATCCCAGTCACAATTAT  
CACCGGTATTTAGGTGCTGGGAAGACAACACTTCTGAACTATATTTTGACAGAGCAACATAGTAAAAGA  
GTAGCGGTCATTTAAATGAATTTGGGAAGGAAGTGCCTGGAGAAATCCTTAGCTGTCAGCCAAGGTG  
GAGAGCTCTATGAAGAGTGGCTGGAACCTAGAAACGGTTGCCTCTGCTGTTCAAGGACAGTGGCCT  
TAGAGCTATTGAGAATTTGATGCAAAAGAAGGGGAAATTTGATTACATACTGTTAGAGACCACTGGATTA  
GCAGACCCCTGGTGCAGTGGCTTCTATGTTTTGGTTGATGCTGAATTAGGGAGTGATATTTATCTTGATG  
GTATCATAACTATTGTGGATTCAAATATGGATTAACAGAAAGAAAACCTGATGGCCTTAT  
CAATGAAGCTACTAGACAAGTTGCTTTGGCAGATGCCATTCTCATTAAATAAACAGACCTGGTCCAGAA  
GAAGATGTAAAGAAATTAAGAACGACAATTAGATCCATAAATGGACTAGGACAAATCTTAGAAACACAAA  
GATCAAGTTTGCAGAAAAAATTCAGCATGTGCCAGGAACACAACCTCACCTTGATCAGAGTATTGTTAC  
AATCACATTTGAAGTACCAGGAAATGCAAAGGAAGAATCCTTAATATGTTTATTCAGAATCTCCTGTGG  
GAAAAGAATGTGAGAAACAAGGACAATCACTGCATGGAGTGCATGAGGCTGAAGGATTGGTGTCAATCA  
AAGACAAATCACAAAGTATTGTCCAGGGTGTCCATGAGCTCTATGATCTGGAGGAGACTCCAGTGAG  
CTGGAAGGATGACTGAGAGAACAATCGATTGGTCCTCCTTGGCAGAAATTTAGATAAGGATATCCTT  
AAACAGCTGTTTATAGCTACTGTGACAGAAACAGAAAAGCAGTGGACAACACGTTTCCAAGAAGTCAAG  
TTTGACA

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227294 representing NM\_001145356  
Red=Cloning site Green=Tags(s)

MLPAVGSADDEEDPAEEDCPPELVPIETTQSEEEESGLGAKIPVTIITGYLGAGKTTLLNLYLILTEQHSKR  
 VAVILNEFGESALEKSLAVSQGGELYEEWLELRNGLCCSVKDSGLRAIENLMQKKGFDYILLETTGL  
 ADPGAVASMFVDAELGSDIYLDGIIITIVDSKYGLKHLTEKPDGLINEATRQVALADAILINKTDLVPE  
 EDVKKLRTTIRSLGQILETQRSSLQKQLQHVPQTQPHLDQSIIVTITFEVPGNAKEEHLNMFIQNLLW  
 EKNVRNKDNHCMEVIRLKLGLVSIKDKSQQVIVQGVHELVDLEETPVSWKDDTERTNRLVLLGRNLDKDIL  
 KQLFIATVTETEKQWTRFQEDQVCT

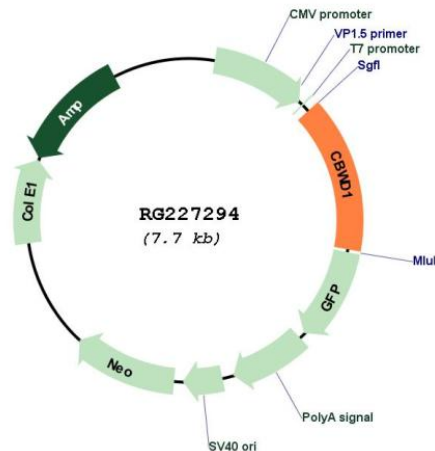
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001145356

<b>ORF Size:</b>	1128 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_001145356.1</a> , <a href="#">NP_001138828.1</a>
<b>RefSeq Size:</b>	1683 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	55871
<b>UniProt ID:</b>	<a href="#">Q9BRT8</a>
<b>Cytogenetics:</b>	9p24.3