

CBWD5 (NM_001024916) Human Tagged ORF Clone

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CBWD5
Synonyms:	CBWD3; DC36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ATGTTACCGCGTGTTGGATCTGTGGATGAGGAAGAGGATCCTGCGGAGGAGGATTGTCCTGAATTGGTTC
CCATTGAGACGACGCAAAGCGAGGAGGAGGAAAAGTCTGGCCTCGGCGCCAAGATCCCAGTCACAATTAT
CACCGGGTATTTAGGTGCTGGGAAGACAACACTTCTGAACTATATTTTGACAGAGCAACATAGTAAAAAG
GTAGCGGTCATTTTAAATGAATCTGGGGAAGGAAGTGCCTGGAGAAATCCTTAGCTGTCAGCCAAGGTG
GAGAGCTCTATGAAGAGTGGCTGGAACTTAGAAACGCGTTGCCCTGCTGCTGTTCAGTGAAGGACAATGGCCT
TAGAGCTATTGAGAATTTGATGCAAAAGAGGGGAAATTTGATCAGATCACTGTTAGAGCAACCTGGATTA
GCAGACCTGGTGAGTCACTTCTATGTTTGGGTGATGCTGAATTAGGGAGTGATATTTACCTTGATG
GTATCATAACTATTGTGGATTCAAATATGGATTAAACATTTAACAGAAGAGAAACCTGATGGCCTTAT
CAATGAAGCTACTAGATCCATAAATGGACTAGGACAAATCTAGAAACACAAAGATCAAGTTTGCAGAAA
AAACTTCAGCATGTGCCAGGAACACAACCTCACCTTGATCAGAGTATTGTTACAATCACATTTGAAGTAC
CAGGAAATGCAAAGGAAGAACATCTTAATATGTTTATTCAGAAATCCTCTGTGGGAAAAGAAATGTGAGAAA
CAAGGACAATCACTGCATGGAGGTCTAAGGCTGAAGGGATTGGTGTCAATCAAGAGACAATCACAACAA
GTGATTGTCCAGGGTGTCCGATGAGCTCTATGATCTGGAGGAGACTCCAGTGAGCTGGAAGGATGACACTG
AGAGAACAATCGATTTGCTCTCATTTGGCAGAAATTTAGATAAGGATATCTTTAAACAGCTGTTTATAGC
TACTGTGACAGAAACAGAAAAGCAGTGGACAACACATTTCAAGAGAGTCAAGTTTGTACA



Protein Sequence: >RG214588 representing NM_001024916
Red=Cloning site Green=Tags(s)

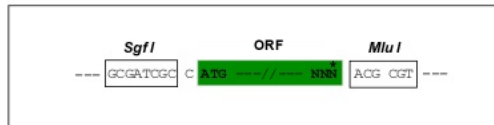
MLPAVGSVDEEEDPAEEDCPVLPIETTQSEEEKSGLGAKIPVTIITGYLGAGKTLLNYILTEQHSKR
VAVILNESGEGSALEKSLAVSQGGELYEEWLELRNGCLCCSVKDNGLRAIENLMQKKGKFDILLLETTGL
ADPGAVTSMFWVDAELGSDIYLDGIITIVDSKYGLKHLTEKPDGLINEATRSINGLGQILETQRSSLQK
KLQHPGTQPHLDQSIVTITFEVPGNAKEEHLNMFIQNLLWEKNVRNKNHNCMEVIRLKGLVSIKDKSQQ
VIVQGVHELVDLEETPVSWKDDTERTNRLVLIGRNLDKDILKQLFIATVTETEKQWTHFKEDQVCT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGAGCT

- - E E R V Stop

ACCN: NM_001024916

ORF Size: 1041 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001024916.3](#), [NP_001020087.2](#)

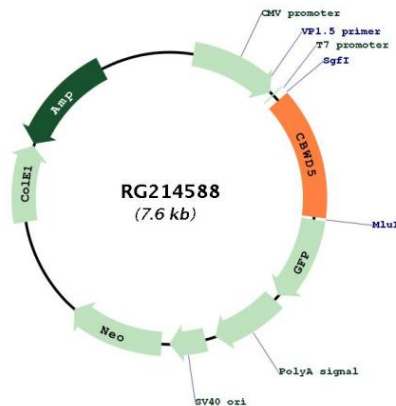
RefSeq Size: 1572 bp

RefSeq ORF: 1044 bp

Locus ID: 220869

Cytogenetics: 9q21.11

Product images:



Circular map for RG214588