

Product datasheet for **RR201022**

Cbwd1 (NM_133535) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cbwd1 (NM_133535) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cbwd1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201022 representing NM_133535
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTACCTGCTATGAAAACCGTGGAGGCGGAAGAAGAGTACGCGGAGGATTGTCCCGAATTGGTCCCCA
TTGAGACCAAGCACCAAGAAAAAGAAAACTTCTGACTTCATCATTAAAGATTCCAGTCACAATTGTCCAC
CGGGTATTTAGGTGCTGGAAAGACAACACTTCTGAATTACATTCTGACAGAACAACATAATAGGAAAAA
GCAGTGATCTTAAATGAATTTGGAGAAGGAGTGCAGTAGAGAAATCCTTAGCTGCAGTCAAGGAGGAG
AACTCTATGAAGAATGGCTGGAACCTTAGAAACGGTTGCCTCTGCTGTTCCGGTCAAGGACAATGGCCTTAA
AGCTATAGAGAATCTGATGCAGAAGAAGGCAAGTTTATTACATACTCTTAGAGACCACTGGGCTAGCA
GATCCTGGTGCAGTGGCTTCTATGTTTTGGGTTGATGCTGAGTTAGGAAGTGATATTTATCTTGATGGCA
TCATAACTGTTGTAGATTCAAAATATGGATTAAAAATTTAACTGAAGAAAAACCTGATGGCCTTGTC
TGAAGCTACTAGGCAAGTTGCTTTGGCAGACATGATTCTCATCAATAAACAGACTTGGTTTCAGAAGAG
GAGCTAAACAAATTGAGAACAATATCAGATCAATAAATGGACTGGGAAAAGTTTTAGAACTCAAAGAT
CAAGAACTCATCTCTCAAATATATTAGATCTTCATGCCTATGACACTCTCTCTGGTATAAGTTTGCAGAA
AAAACCTCAGCATGTGTCAACGGCACCCACCTTGATCAGAGCATTGTTACAGTCACATTTGACGTACCA
GGAAGTGCAAGGAGAGAGTCTAAATGTATTTATCCAGAATCTCCTGTGGGAAAAGAATGTGAAGAACA
AGGACGGCCGCTGCATGGAGGTCATCCGGCTGAAGGGCCTGGTGTCTATCAAAGACAAACCACAGCAAA
GATTGTGCAAGGCATCCATGAGCTGTACGAGCTGGAAGAGAGCCGAGTGAAGTGAAGGACGATGCCGAG
AGAGCCTGCCAGCTGGTCTTTATTGGTAAAAATTTAGATAAGGATATTCTTCAACAACTCTTCATCACTG
CTGTGGCAGAGACAAAAGAACAACGACAGCACCAGGCCAAGATGGAGCCTGTCCGCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201022 representing NM_133535
Red=Cloning site Green=Tags(s)

MLPAMKTVEAEEEAEDCPPELVP IETKHQEKENLDFI I KIPVTIVTGYLGAGKTTLLNYILTEQHNRKI
 AVILNEFGEKSLAVSQGGELYEWELELRNGCLCCSVKDNGLKAIENLMQKKGKFDYILLETTGLA
 DPGAVASMFVWDAELGSDIYLDGIITVVDVSKYGLKHLTEPKDGLVNEATRQVALADMILINKTDLVSEE
 ELNKLRTTIRSNGLGKVLLETQSRTHLSNILDHAYDTLSGISLQKQLQHVSTAPHLDQSI VTVTFDVP
 GSAEEESLNVFIQNLWKNVKNKDGRCMEVIRLKG LVS IKDKPQQMIVQGIHEL YELEESRVNWKDDAE
 RACQLVFIGNLDKDILQQLFITAVAETKEQT TAPQD GACPPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

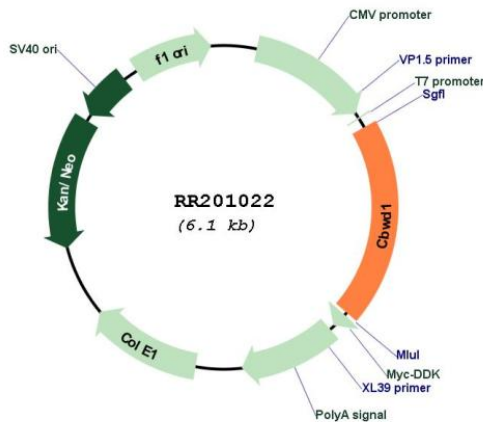
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133535

ORF Size:	1182 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_133535.2 , NP_598219.2
RefSeq Size:	1405 bp
RefSeq ORF:	1185 bp
Locus ID:	171057
UniProt ID:	Q99MB4
Cytogenetics:	1q51
MW:	43.9 kDa