

## Product datasheet for **RG223835**

### **C2orf44 (WDCP) (NM\_025203) Human Tagged ORF Clone**

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| Product Type:             | Expression Plasmids     |
| Tag:                      | TurboGFP                |
| Symbol:                   | C2orf44                 |
| Synonyms:                 | C2orf44; MMAP; PP384    |
| Mammalian Cell Selection: | Neomycin                |
| Vector:                   | pCMV6-AC-GFP (PS100010) |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |



**ORF Nucleotide Sequence:** >RG223835 representing NM\_025203  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGTTGGGAAAAGGAAAACACTACTCAGGACTGGACTGAATGCGTTGCATCAAGCAGTGCATCCGATCC  
 ATGGCCTTGCTGGACCGATGGGAATCAAGTTGCTCACTGATTTCGCGCTTCACAGTGGAGAGGTCAA  
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 CTATGGAGTCAAGCAATGGCTGACGTCTCAGACTTGTGAGATTAGAGGATCACTACCTATCCTTCCCCA  
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 ACGCTCTATGGATAAAGAGGCAACTGATTCTGAAACAAATTCTGAAGTATCAGTTTCTTCTTCTATTTA  
 GAACCTCTGGATCTAACTACATACATTCAATCAACATAAGTCTGAGGGTAATTCTCTTATTGTCTAA  
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 GCCCACGTAGTGGCAGTGGCTTCCAACTTGTAAATAATTTTGATCTACTCTGTCATTCCATCTTCAG  
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 CCTGGAAGAACACTTATTAAGAAAATCCAGAGTCTCTGTCTAGTATCTGTGATGGCTCCATAGCTCTAG  
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 CTGACAGTGAGGGCTTTATCCCGTTAACCTTCACAGCCACACAGGAAATATCATAAGAGATGGCAGCCT  
 GTCCAGGTGAGATGTCTTCAGAGACTCTTTTCTCAGAGTCCAGGTGCTGTTTCTTCTTAAAGTCTTT  
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

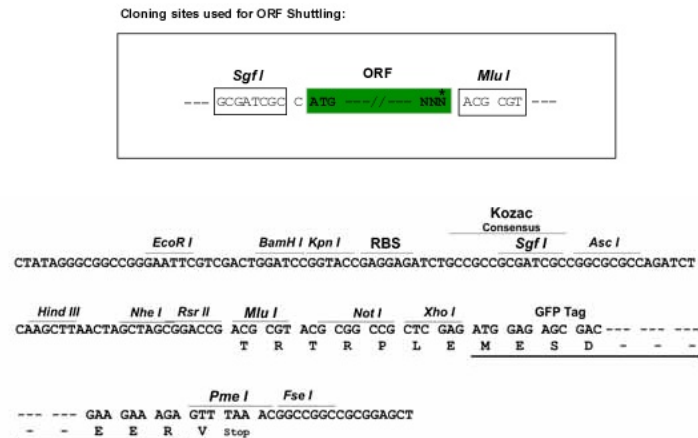
**Protein Sequence:** >RG223835 representing NM\_025203  
 Red=Cloning site Green=Tags(s)

MELGKGKLLRTGLNALHQAVHPHGLAWTDGNQVVL TDLRLHSGEVKFGDSKVIQGFECVCLSWAPPVA  
 DDTPVLLAVQHEKHVTWQLCPSPMESSKWLTSQTCEIRGSLPILPQGCVWHPKCAILTVLTAQDVSI  
 NVHSDDSQVKADINTQGRHCAWTDGLRLVAVGSSLHSYIWDQAQKTLHRCSSCLVFDVDSHVCSIT  
 ATVDSQVAIATELPLDKICGLNASETFNIPNSKDMTPYALPVIGEVRSMDKEATDSETNSEVSVSSYL  
 EPLDLTHIHFNQHKSEGNLSICLRKKDYLGTGQDSSHLLVLTFFKAVTMRKVTIPGILVPDLIAFNK  
 AHVVAVASNTCNILYISVIPSSVPNIQQIRLENTERPKGICFLTQQLLILVGKQKLTDTTFLPSSKSD  
 QYAIISLIVREIMLEEPSITSGESQTTYSTFSAPLNKANRKKLIESLSPDFCHQNKGLLLTVNTSSQNGR  
 PGRTLIIQSPSSICDGSIALDAEPTQPASLPRHSSTPDHTSTLEPPRLPQRKNLQSEKETQYLSKE  
 VEILSRNLVEMQRCLSELNRLHNGKKSSSVYPLSQDLPYVHIYQKPYLGPVVEKRAVLLCDGKLRLS  
 TVQQTFLGLSLEMLHDSHWILLSADSEGFIPLTFTATQEIIIRDGSLSRSDVFRDSFSPGAVSSSLKVF  
 TGLAAPSLDITGCCNHVDGMA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_025203

**ORF Size:** 2163 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\\_025203.1](#), [NP\\_079479.1](#)

RefSeq Size: 3834 bp

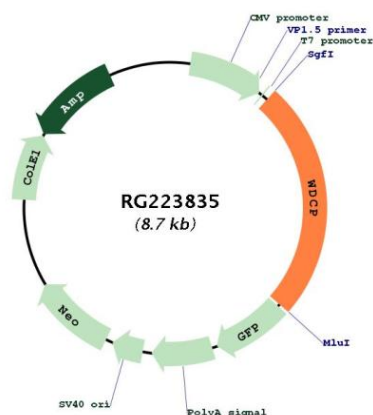
RefSeq ORF: 2166 bp

Locus ID: 80304

UniProt ID: [Q9H6R7](#)

Cytogenetics: 2p23.3

### Product images:



Circular map for RG223835