

Product datasheet for **RG207404**

C2orf53 (PRR30) (NM_178553) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf53 (PRR30) (NM_178553) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2orf53
Synonyms:	C2orf53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207404 representing NM_178553 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTTGCCTCAAAACAAGGACCAGGTGCTGCCACAGACCTCAGTGTCCCTGGGCGCCCACTTGGGGCT
TCTCACAACCTGTGGACTCCTCTCCTCACAACCTACAGCCTCTCTCTCCCATCAGGGCCTCCCTCCCTC
TCAACCACGGTTCTTCCACTCAGTCCCGTCGTCCCTCCTCCCTCCACCAGCATCCCCCTCTCTGGC
TTCCAATTGGCTCTTGTGACTCAAATTCTGACTTTGCTCCACATCCCTATTCTCCCTCTCTCCCAAGT
CCCCTACTTTCTTCCACAGAACTACCTCTCTCTCCCGTCCAGTGCATCCTCTCCCTCCAACCACTG
GCTGTACCCCTCTCCCTCTGACCCCTTCCTTTTCTCCCTCCAGCCTCAGAACTCCTCCCTTCCCCAC
TCACCTTGCCAGTCCCCTTCCCACCCGAGGAAGTGCATAGCTCCACACTCACTTCCCAGGCCCAAGCC
CACCTTCTCATAGGCTCCACTCTAACAGGCAGACATGGCGCTGGCATCAGTACAGGGACTGGGTCCGG
GTCCCCTGGAGTGGTGGAGGGATGCGTGCCAAGCGAGAAGGATCCTGCACAGTTCAGGGACCCAGGGCC
CTGGCCAGGCCCTGGTGGTCCAGCTGGGGCACCGCCGATCGCACAGCACTGCGGCTACTGCTTTTGC
AGCACCTGTGGCTAGGCAGAACCGGCCAGGCCAGTTCGTGGAGTATCCTATATGCTGGTGTGCCTCCG
GCCCGCAGCCCTCTGCCCTTCCCAGGTACAGGACTGGACCCGGTGTCTGCTTTCCCTCAACTA
CTGCCCTGTGTGCAGGGCCAGGAATCTGGGCACTCCGGATAGGCATCGGCTTCGGCCTCCGCTGCCTC
AGGGCCAGGCCAGGGCCTTGATCTGCTGCCCGAGAAAAGGCCGAAGGAAGCAGGGCCTCAGGGCAAGGC
TACTCAGGCTGTGGCATCAATTGCCAGCATCTCAGCCTCCAGCAGCTCAGGCCGGGGCCAGCCAGTCC
CCAGGCACACCCTCCCAGACCAGGAGCTTCAGGTCTGCAGGCCTCAATCACAAACTCCCACGATGTT
TCTCCGGCCTCCACCTCGGGCACAAAACAGGTCACTACCTCCCTGAAGCCAGGCCTTGCCTGGCC
AAAGAGGCCAGTTTCTCTGGAGCTATTCTCAAAGTCATCAGT

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207404 representing NM_178553
 Red=Cloning site Green=Tags(s)

MLPQNKDQVLPQTSVLPGRPTWGFSQLVDSSPHNLQPLSPHQGLPPSQPPFSSTQSRPSSPPPASPSPG
 FQFGSCDSNSDFAPHPYSPSLPSSPTFFHQNYLSLPRPRASSPSNHWLYPSPLTPSFSPSQPNSSLPH
 SPCQSPSHPEELHSSTLTPSPGSPSSHRLHSNRQTWRWHQYRDTGSGSPGVVEGCVPEKDPAQFRDPGA
 LAQALVVQLGHRRIAHDRLRLQLHLWLGRGTQAPVVEYPICLVCLRPRSPSCPLPRYRTGPRLLAFPQL
 LPCVQQQESGPLRIGIGFLRLPQGQARALHLLPEKRPKEAGPQKATQACGHQLPASQPPAAQARADPV
 PGTPSQTRSFASAGLQSPNSPRCFSGPPPRAPKQVTTSLKPRPCPGKRPVSLELILQKSSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178553

ORF Size: 1236 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.

RefSeq: [NM_178553.2](#), [NP_848648.1](#)

RefSeq Size: 2018 bp

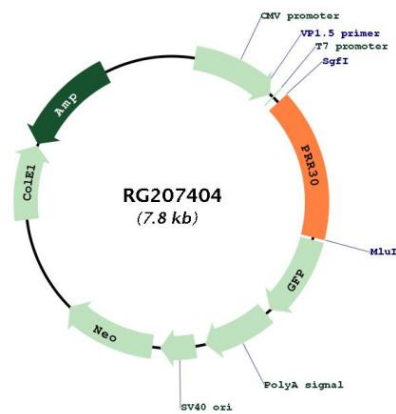
RefSeq ORF: 1239 bp

Locus ID: 339779

UniProt ID: [Q53SZ7](#)

Cytogenetics: 2p23.3

Product images:



Circular map for RG207404