

Product datasheet for **RG225142**

C1orf194 (NM_001122961) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1orf194 (NM_001122961) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: C1orf194
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225142 representing NM_001122961
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAGATCACCTCCAGACGTCGTCGCTGGAAGAGGCCCAAAATTGCCATATAAGAACCCAACAC
ACCTTGCTCAGCAGCAGGAACCTGGAGTCGGCTCAACTCAACCCCAACAATTACTTCCATGAGGCGGGA
TGCTACTATTTTGATCCCGAGATACCAAAGGATGACCTGGACTTCGGCTTAGCAGCCTTGTAACCCAC
CACACTGGGACATTCAAGAACAAAAGTGAGATACTGTTAAACCAGAAAACCACGCAGGATACCTATAGAA
CCAAGATCCAATTCCCTGGAGAATTTTAAACCCCTCCACTCCACCCATCACTTTCTGGCTAACATCAG
ACACTGGATCAACCCATAAAAGGAGTCCATCCACAGCATCCAAGGATCCATAGTGTCCTCACACTGCA
GCCACCAATGGAGGCTACTCCCGAAAGAAAGATGGTGGCTTCTTCTCCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225142 representing NM_001122961
Red=Cloning site Green=Tags(s)

MERSPSRRRRLLEAPKLPYKNPHTLAQQQEPWSRLNSTPTITSMRRDAYYFDPEIPKDDLDLFRLAALYNH
HTGTGFKNKSEILLNQKTTQDITYRDKIQFPGEFLTPPTPPITFLANIRHWINPKKESIHSIQGSIVSPHTA
ATNGGYSRKKDGGFFST

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001122961.2
RefSeq Size:	742 bp
RefSeq ORF:	474 bp
Locus ID:	127003
UniProt ID:	Q5T5A4
Cytogenetics:	1p13.3
Gene Summary:	May play an important role for the maintenance of myelin-axon integrity (By similarity). May affect intracellular Ca(2+) homeostasis (PubMed:31199454).[UniProtKB/Swiss-Prot Function]