

Product datasheet for **RG231182**

C8orf58 (NM_173686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8orf58 (NM_173686) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C8orf58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231182 representing NM_173686 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGGCCGGCGCGCCTTCGCCGTGGACGGCCGGGATGGGGCTGGCGAGGGCCTGGCACGGGGCT
GCATAGTGCCTGGAGTCACCGACACCTACAGACGGATCCCCGACGCTGCCACGGGTGCTCATCTGGGA
GAGAGGTGACAAGTTCAGAGGTGTCGGCAGGGAGGCACTCTTTCTCAAAGTGGCTCCCGGGACTCAGGA
GTGGAGATGGCAGTTGGGGACAGCCCCCTGGCCGCCTTACCGGCCTTTCTCAGGACTCCCTGGACTTTG
AATCCTCAGGGAGTTCTGAGCCCCCGCCAGGTAGGCCGACTCCTGGCCAGCCAGAAGCTGGGGGAGGT
GTTGGAGCGGTCCCGCCGGCTCCCAACAGCTCCCAACAGCTTGTCAAGACAACACCGCTCCCTGCGGCTG
GCAAGCAAGCCTGAGCGTGAAGTCCCCCTTGGAGCAGGGCAACAGGAGTCCATGGAGGCAGACACAGACC
TAGAGGCAGGCCTGGAAGAAGAGGCGGTGGGGGCTGGGGCCTGGAGCCTGGGCTGCCTCCCCGGGCA
GGGTCTTCGCTATCTGGAACACCTGTGCCTGGTGTGCTGGAGCAGATGGCAAGGCTCCAGCAGCTCTACCTG
CAGCTGCGGATCCAGAGGCCCCAGGGGATCCCGGCGAGGAGGAGTCGACCCGAGCCCCCTTACCGTCCC
CGTTACACACCCAGGCAATCGGGGCGAGGGCCATGGGAGCTGCTAAGCCAGACAGAGCACACAGGAGC
AAAGGCTGCTTCACCCCCAAAGGTGGAGGTGCCAGTGCCAACCTCCAGGCTGCCAGAAACCCAGTG
GAGCCAACGTACCACTTGCCATCTCCAGGGACACAAGGTCAAGTCTGCTCAACCGGATCTGCCGGA
GAAGCCACCACCCTGAGCCCCCTGCCCTCCTGATGGCTCTGACCCAGGATCGAGTCCAGGGACCT
CCCTGAAAGGCCTCAGTGCCGCCCCACCGGAAGACCTTTATGCCATCATTAGTGTTAAGAAGCAACGA
GCAAAAAACCTTTCTGTAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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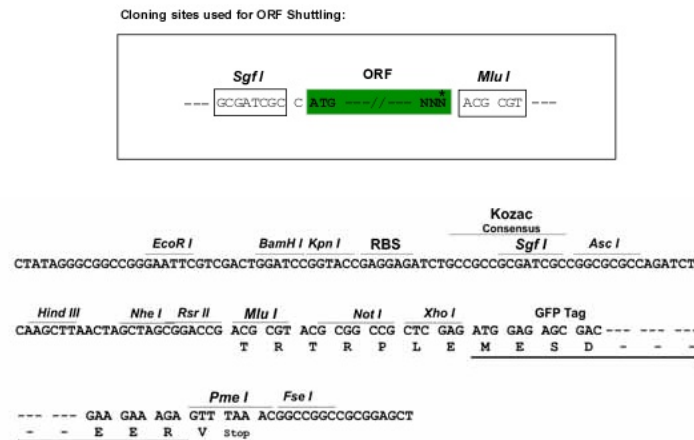
Protein Sequence: >RG231182 representing NM_173686
 Red=Cloning site Green=Tags(s)

MMGRRRAFAVDGRDGAGEGLARGCIVPGVTSTYRRIPDAAHGCSWERGDKFRGVGREALFLKLASRDG
 VEMAVGDSPLAALPGLSQDSLDFESSGSSEPPAQVGRLLASQKLGEVLERSRRLPTAPTSLSGQHRSLRL
 ASKPEREVPLGAGQQESMEADTDLEAGLEEEAVGGLGPGAWACLPQGGLRYLEHLCLVLEQMARLQQLYL
 QLRIQRPPGDPGEEESTRAPLPSPLHTPGNRGQGPWELLSQTEHTGAKAASPPKVEVPSANPPRLPETPV
 EPTYHLPSQGHKVKVLLNRRSHHPEPPAPPDGSDPRIESRDLPERPQCRPHRKTFMPSLVVKKQR
 AKNLSVG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173686

ORF Size: 1071 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_173686.3](#)

RefSeq Size: 2038 bp

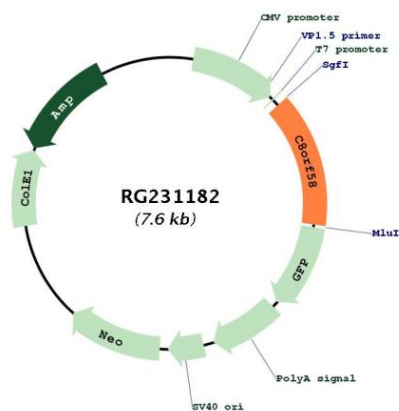
RefSeq ORF: 1074 bp

Locus ID: 541565

UniProt ID: [Q8NAV2](#)

Cytogenetics: 8p21.3

Product images:



Circular map for RG231182