

Product datasheet for **RG218522**

C8orf58 (NM_001013842) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8orf58 (NM_001013842) 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:	>RG218522 representing NM_001013842 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGGCCGGCGCGCCTTCGCCGTGGACGGCCGGGATGGGGCTGGCGAGGGCCTGGCACGGGGCT
GCATAGTGCCTGGAGTCACCGACACCTACAGACGGATCCCCGACGCTGCCACGGGTGCTCATCTGGGA
GAGAGGTGACAAGTTCAGAGGTGTCGGCAGGGAGGCACTCTTTCTCAAAGTGGCTCCCGGAGCTCAGGA
GTGGAGATGGCAGTTGGGGACAGCCCCCTGGCCGCCTTACCGGGCCTTTCTCAGGACTCCCTGGACTTTG
AATCCTCAGGGAGTTCTGAGCCCCCGCCAGGTAGGCCGACTCCTGGCCAGCCAGAAGCTGGGGGAGGT
GTTGGAGCGGTCCCGCCGGCTCCCAACAGCTCCACAGCTTGTCAAGACAACACCGCTCCCTGCGGCTG
GCAAGCAAGCCTGAGCGTGAAGTGCCCTTGGAGCAGGGCAACAGGAGTCCATGGAGGCAGACACAGACC
TAGAGGCAGGCCTGGAAGAAGAGGCGGTGGGGGCTGGGGCCTGGAGCCTGGGCTGCCTCCCCGGGCA
GGGTCTTCGCTATCTGGAACACCTGTGCCTGGTGTGCTGGAGCAGATGGCAAGGCTCCAGCAGCTCTACCTG
CAGCTGCGGATCCAGAGGCCCCAGGGGATCCCGGCGAGGAGGAGTCGACCCGAGCCCCCTTACCGTCCC
CGTTACACACCCAGGCAATCGGGGCGAGGGCCATGGGAGCTGCTAAGCCAGACAGAGCACACAGGAGC
AAAGGCTGCTTACCCCCAAAGGTGGAGGTGCCAGTGCCAACCTCCAGGCTGCCAGAAACCCAGTG
GAGCCAACGTACCACTTGCCATCTCCAGGGACACAAGCGGGATATCTCCACTGGGACAAGGTCAAGG
TCTGTCTAACCGGATCTGCCGAGAAGCCACCACCCTGAGCCCCCTGCCCTCCTGATGGCTCTGA
CCCCAGGATCGAGTCCAGGGACCTCCCTGAAAGGCCTCAGTGCCGCCCCACCGGAAGACCTTTATGCCA
TCATTAGTGGTTAAGAAGCAACGAGCAAAAAACCTTTCTGTAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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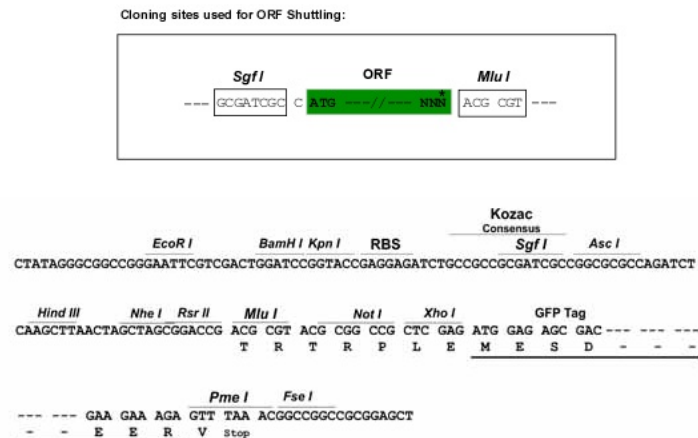
Protein Sequence: >RG218522 representing NM_001013842
 Red=Cloning site Green=Tags(s)

MMGRRRAFAVDGRDGAGEGLARGCIVPGVTSTYRRIPDAAHGCSWERGDKFRGVGREALFLKLASRDSG
 VEMAVGDSPLAALPGLSQDSLDFESSGSSEPPAQVGRLLASQKLGEVLERSRRLPTAPTSLSGQHRSLRL
 ASKPEREVPLGAGQQESMEADTDLEAGLEEEAVGGLGPGAWACLPQGLRYLEHLCLVLEQMARLQQLYL
 QLRIQRPPGDPGEEESTRAPLPSPLHTPGNRGQGPWELLSQTEHTGAKAASPPKVEVPSANPPRLPETPV
 EPTYHLPSQQGHKRDISHWDKVKVLLNRRICRRSHHHPEPPAPPDGSDPRIESRDLPERPQCRPHRKTFFMP
 SLVVKKQRAKNLSVG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013842

ORF Size: 1095 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_001013842.3](#)

RefSeq Size: 2075 bp

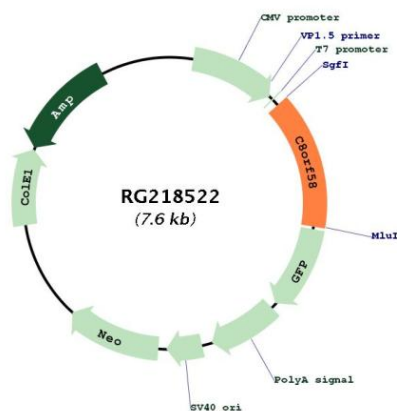
RefSeq ORF: 1098 bp

Locus ID: 541565

UniProt ID: [Q8NAV2](#)

Cytogenetics: 8p21.3

Product images:



Circular map for RG218522