

Product datasheet for **RG206158**

C18orf54 (NM_173529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf54 (NM_173529) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C18orf54
Synonyms:	LAS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206158 representing NM_173529 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGAAATCAAAGACAAAACATAGACTTTGTTCTCAGGAATCTTCAGTATCTGCCCTGCTGGCAAGCT
GCACCCTGAGTGGTAGTAATTCCTCTAATTCTGATGGCTCGTTTCACTATAAAGATAAGCTGTACAGATC
TGCTTCTCAAGCTCTACAGGCTTATATTGATGATTTTGATCTAGGCCAAATATATCCTGGTGCAAGCACT
GGAAAAATTAACATTGATGAGGATTTTACTAATATGTCACAGTTCTGCAACTATATTTACAAACCAAACA
ATGCTTTTGAAAACCTTGATCACAAAAGCACTCAAACCTCATATCCTGTAGAAGACACACCGTTAATGA
CATAGACTCCATGAGCCTAACAACTGATGATCTATTAAGACTCCCAGCAGATGGATCATTTTCTTATACT
TATGTTGGACCGAGTCACCGAACGAGCAAGAAAAACAAGAAATGCCGTGGAAAGACTGGGTTTCATTGGACA
TTGAGAAGAATCCACATTTTCAAGGACCTACACTTCCATGGGCAAGGATAAATTTGTTACTCCTGTTAT
ACGCTCAAATATAAATGGAAAGCAATGTGGTGACAAAATTGAATTGCTTATCTTGAAGGCCAAGAGAAAT
CTAGAGCAGTGTACTGAAGAATTACAAAGTCCATGAAAAGGATGACAGTCCTTGCTCATTAGATAAAC
TTGAAGCAGACAGATCATGGGAAATATTCCTGTTACTTTCAAATCTCCTGTTCCCGTTAACTCTGATGA
TAGTCCTCAACAACTTCAAGGGCAAAGAGTGCTAAAGGGTTCTTGAAGACTTTCTAAATAATGATAAT
CAGAGCTGTACTCTCTGGAGGCAAACATCATGGTCCTGTTGAAGCCCTGAAACAAATGTTATTTAACC
TTCAAGCAGTACAAGAAGCTTTTAATCAAATAAGACCACAGATCCAAAAGAAGAGATTAACAAGTTTC
AGAAGATGATTTCTCTAAATTACAGTTGAAGGAAAGTATGATTCTATTACTAGGTCACCTTCAGAAGGCT
TTGCACCATTTATCTCGCCTGAGAGACCTGGTTGATGATACGAATGGAGAACGGTCACCGAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206158 representing NM_173529
 Red=Cloning site Green=Tags(s)

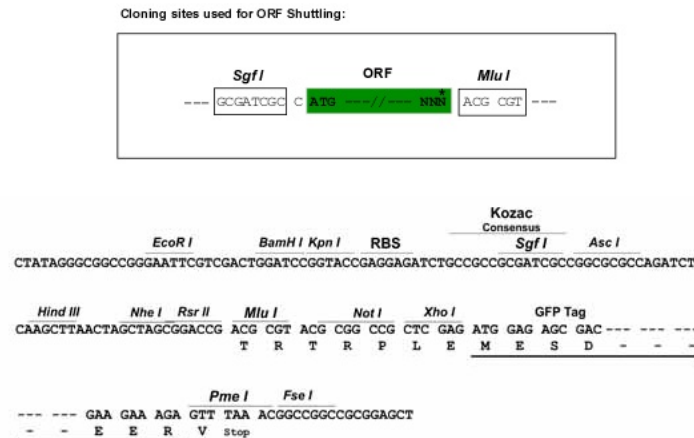
MAKSKTKHRLCSQESSVSALLASCTLSGSNSSNSDGSFHYKDKLYRSASQALQAYIDDFDLGQIYPGAST
 GKINIDEDFTNMSQFCNYIYKPNNAFENLDHKKHSNFI SCRRHTVNDIDMSLTDDLLRLPADGSFSYT
 YVGPSHRTSKKNKKCRGRLGSLDIEKNPHFQGPYTSMGKDNFVTPVIRSNINGKQCGDKIELLILKAKRN
 LEQCTEELPKSMKKDDSPCSLDKLEADRSWENIPVTFKSPVPVNSDDSPQQT SRAKSAKGVLEDFLNNDN
 QSCTLSGGKHHGPVEALKQMLFNLQAVQERFNQNKTTDPKEEIKQVSEDDFSKLQLKESMIPITRSLQKA
 LHHL SRLRDLVDDTNGERSPKM

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173529

ORF Size: 1116 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_173529.6](#)

RefSeq Size: 5016 bp

RefSeq ORF: 1119 bp

Locus ID: 162681

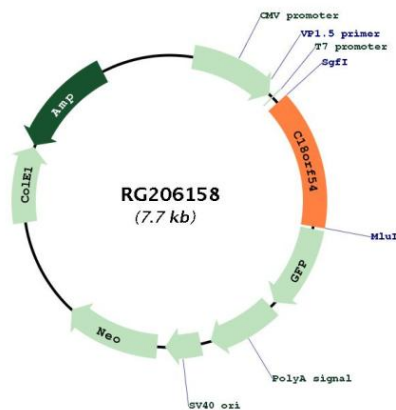
UniProt ID: [Q8IYD9](#)

Cytogenetics: 18q21.2

Protein Families: Secreted Protein

Gene Summary: Might play a role in cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206158