

Product datasheet for **RG206722**

C12orf50 (NM_152589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C12orf50
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206722 representing NM_152589
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGAAATGCAGCAAACTGCAGCATTTTCATGCTTCTGGGAACTCAGCCTCTTGTTGTGTGAAGATCA
GCTGCATCTTTATCACAGCAAACCTCGAAATATCAATGGATTATTTTGCACCAAGTAGCAATATCAC
ACTACAGAAAGAAATTCAGGAAGGAATTCAGTCCAGTCCCAGAGTCAAGAACCTCTGAAACCTCAGGAA
AATATATCACGACCCATCCACCATCTTTAGTTTAAAACTAATTTTGAGGAAGAAGAGGAAGTAGATG
AACAAATGATGCTTCTAGTTTATGGACAAAGACCCCTGAAGAAATTGAAGAAAAAGCAATAAAGGA
GATGTGTTATAATCTGGGGAATACTACAGATTTTACTCCTCCAGATATTTTGTTCATCAAAAAGCATG
ACACCTACAGCAGAAAAACAGTTAGAAAAAGCCTTTGGAAAAATGGCAGTGAATTGCAAGAAGGAGATAGTC
TTACAGTTCGACAAAACTTAGCCAATATGAAAGGCAAGGTGAAATAAAAACATCATTGCATGGGAAACC
AAAGACTGACATTGCTGCTTTTGAAGTGGAGGAGGTGACTGTTATGTTCCACAGAGGTCATATTTCTT
GGAGTCGATGAAAGTGAAGCTTTAACTGAAGAGAAAGAAATCACCATATCAAAATGTTCAAATACTAAAG
ATAACAAGGACAGTCCTCATCAAAGCATTCCCTAACTACCCGACTAGTACCTACAACGCATGTATTAA
TGCTACTGAGAATATCAGTATGAAGTGCAGAGAGGACCCCTCTTCAATGAATGATGTCCAGCCAGTGAAG
AAGCCTCATTTTAAAGGTGTGAAGAAAGAAATGGATTTATGATGAACCACAGAACTTTCTAACTCTG
GAATGCAGAGAGCAGTACAGGCCCAAGACCCCAAAATGAGTTATCATCGCAATAATAAAATCG
AAATGCGGAGAATGCATCCTATATCCAGTTCAAAGAGATGCTGTACGAGTGTGCGGTTGAATGCACCT
TCCCGCAGCAGGCCACGCATGGGTCTACAATAAAGTCCATGCTAACAGGGAACCCAAACCAACCTCA
GTCCAGACAAATATACGTCAACATCATATAATGATTGAGCCTGGCGAAAACGAATTCCTTTTCAAAAC
ATATTCAAAAAGTAAAAGATATATCCAGAGCCAAGAAGAAATGGGAGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



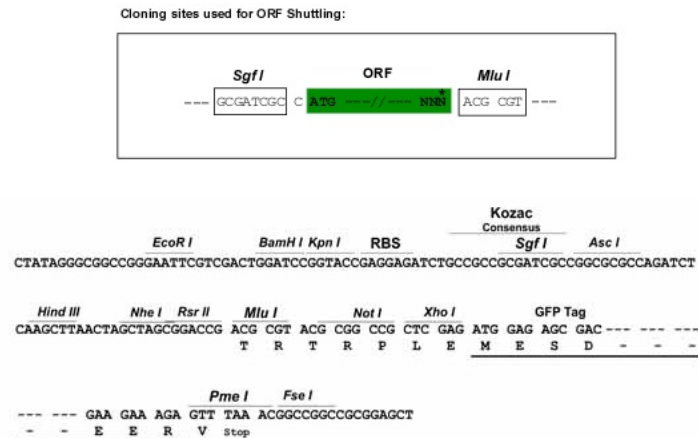
Protein Sequence: >RG206722 representing NM_152589
Red=Cloning site Green=Tags(s)

MEMQQNCISCFWETQPLGCVKISCIFYHSKPRNINGLFLPPSSNITLQKEIQEGIPLQSQSQEPLKPQE
NISRPDIHPLVLKTNFEEEEVDEQNDASSLWTKTPEEIEEKRAIKEMCYKSGEYYRFHTPPDILSSKSM
TPTAEKQLEKPLENGSELQEGDSLTVPTKLSQYERQGEIKTSLHGPKTDIAAFENGGGDCYVPQRVIFL
GVDESEALTEEKEITISKCSNTKDNKDSHPKHSLTTRLVPTTHVLNATENISMKCREDPSSMNDVQPVK
KPHFKGVKKRWIYDEPQNFPSGMRQAVQAPRPQNKMSYHRNNKNRANASYIHVQRDAVRTVALNAP
SRSRPHTGSYNKVHANREPKPNLSPDKYTSTSYNDSAWRKRIPFSTYSKSEKIYPEPRRNGSK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152589

ORF Size: 1242 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152589.1](#), [NP_689802.1](#)

RefSeq Size: 1705 bp

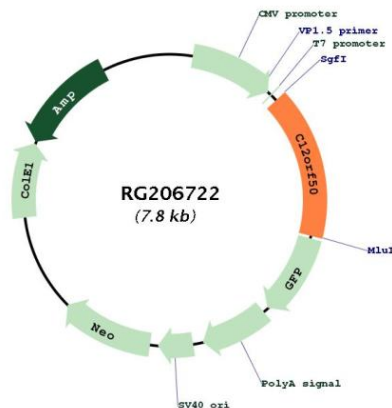
RefSeq ORF: 1245 bp

Locus ID: 160419

UniProt ID: [Q8NA57](#)

Cytogenetics: 12q21.32

Product images:



Circular map for RG206722