

Product datasheet for **RG221403**

C14orf93 (NM_021944) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf93 (NM_021944) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C14orf93
Synonyms:	RTFC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221403 representing NM_021944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTCAGTGCCACCATTCTTCTCCCTCCCAGTGGCAGCGAGGCCAGATGCTGCTGCTGCGCCT
 GTAAGAGTGAGACTAATGGAGGCAACACAGGCTCCCAGGGTGGGAATCCTCCTCCAGCACCCCCATCAC
 AGTGACTGGACATGGCTTGGCTGTTTCAGAGCTCAGAGCAGCTCCTGCATGTTATCTACCAGCGGGTCGAT
 AAGGCAGTGGGTTTGGCTGAAGCTGCTCTGGTCTTGCCAGGGCCAACAATGAGTTGTTAAAACGCTCC
 AGGAGGAAGTGGGTGACCTGAGGCAAGGAAAGTGTCCATCCCTGATGAAGATGGGGAAAGCCGGGCACA
 TAGTTCGCCACCTGAGGAGCCTGGGCCTCTCAAGGAAAGTCCCGGGAAGCCTTTAAGGCTCTGTCTGCC
 GTGGAAGAGGAGTGTGACAGCGTGGCAGCGCGTGCAGGTGGTATTGAGGAGCTGCGGCAGCTGGGAG
 CAGCCTCAGTGGGCCTGGCCTTTGGCTTCCAGCAACTCAGAGGGACATGCGCTCCAGGGTGCAC
 GCTGGCTGCCAGCGAGGGCGCCCTGCTCAATCCTCTGGTGGATGATTACGTGCCTCTGAGGGTGCA
 GTACAGCGAGTTCGGTCCCTGCTTATGCCAAGCAACTCTCACCAGCCACACAACCTGGCAATCCAGCGGG
 CAACCCAGAGACAGGACCAGAAAATGGAACCAAGCTGCCACCACCCCGCCTGAGGACATGCTCAATGC
 CGCTGCTGCGCTGGACAGTGCCTTGAAGAGTCAAGCCCTGGGAGCACTGGGAGCTGAGACACTCTTA
 GGGCTGACCGTTTCCCATGCAGGACCAGAGGAAGTGGGAGAAAGAACTCCAGGCGCAAGCGGGATCTTG
 TACTCTTAACTGGTCCACAATGTGCATAACCACATACCAATGACAAGAGATTCAATGGGTCTGAAA
 CATCAAGTCTCTTGAATATTTTCAGTAGTGAAGTTTCTTCTGGAAAAGCTCAAGCAAGAGCTGGTGACC
 AGTCCCAACAATTACACTGATAAGGAGCTAAAAGGAGCCTGTGTGGCCTACTTCTTACTAAGAGGCGTG
 ATACCGCAACTCCCTGAACCCCTTTAAGGCCTGAAGGAAAAAGAGGAGAAGAACTTCAAGTGCCTCG
 ATATCGGCTTTTTGCCAACCAGTCCAGTATCATGAGGCATTTTGGACCTGAGGACCAACGCTCTGTGGAAT
 GATGTGACAGAGAACTGATGTCAGATGAAGAGGACAGTCTTAACGAGCCAGACAGACTGCCTTCTGCTG
 AAGCCAGCTCCTCCACCAGAAGTTTACAATCCTAATTTCCAAGAAGAGGAAGATGAGGGAGGGGATGA
 GAATGCACCTGGCTCCCATCTTTGACCAACCCACAAAACCTGCTGCTCCTGACTTGAACCTATTATT
 GAAATCAAGGTGGAAAAGGATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221403 representing NM_021944
 Red=Cloning site Green=Tags(s)

MSFSATILFSPPSGSEARCCCKSETNGGNTGSQGNPPPSTPITVTGHGLAVQSSEQLLHVIVYQVRV
 KAVGLAEAAALGLARANNELLKRLQEEVGDLRQGVKVSIPDEDGESRAHSSPPEEPGLKESPGGEAFKALSA
 VEEECDSVSGSVQVIEELRQLGAASVGPGLGFPATQRDMRLPGCTLAASEAAPLLNPLVDDYVASEGA
 VQRVLPAYAKQLSPATQLAIQRATPETGPENGTCLPPRPEDMLNAAAALDSALEESGPGSTGELRHSL
 GLTVSPCRTRGSGQKNSRRKRDVLVSKLVHNVHNIHNDKRFNGSESISKSSWNI SVVKFLEKQELVT
 SPHNYTDKELKGACVAYFLTKRREYRNSLNPFGKLEKEEKLLSRRYRLFANRSSIMRHF GPEDQRLWN
 DVTEELMSDEEDSLNEPDRLPSEAEQLLPELYNPNFQEEDEGGDENAPGSPSFDQPHKTCPPDLNSFI
 EIKVEKDE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021944

ORF Size: 1494 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_021944.1](#), [NP_068763.1](#)

RefSeq Size: 2352 bp

RefSeq ORF: 1617 bp

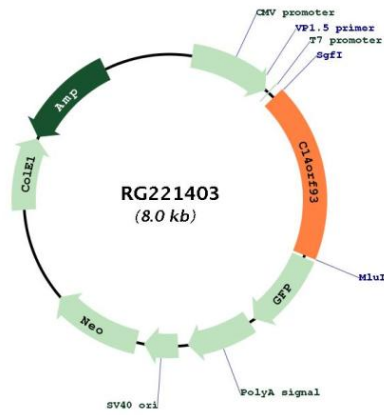
Locus ID: 60686

UniProt ID: [Q9H972](#)

Cytogenetics: 14q11.2

Protein Families: Secreted Protein

Product images:



Circular map for RG221403