

Product datasheet for **RG234707**

C20orf112 (NOL4L) (NM_001256798) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf112 (NOL4L) (NM_001256798) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C20orf112
Synonyms:	C20orf112; C20orf113
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234707 representing NM_001256798
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGC
 GCCC

ATGCCGAAGCCGACGCTGCTGCTGCGCGGGGGCTGGGAGCGCGAGCGCAGCCCCGGGGACTCGGAGCTGG
 GCCGCCAGTTCGGGACTGGTGCTTGCGCACCTACGGCGACTCGGCCAAAACCAAGACGGTGACACGCAG
 CAAATACCAGCGGATCGCCGAGGTCCTGCAAGGCGGCGCGGGACTGGCGCGGGCAGCGGCCCGCAGCC
 GGCGAGAAAGGCAAGTTCAGTTCTGGGTGCGCTCCAAGGGCTTCGCGCTGGGCAGCGGCCGGGAACCCA
 AGATGGGCCAAGTGGTGATGTGCCGTCAAGACGGGCTCGGGGCGAGATGGCCTGTGCGAGCCAGAGGG
 CATCTCTCTGAAGCGGTGCTGTGGTGAAGATTTCTTTGACATCATCTACTCGATGCATGTGGAGAGC
 TCAGCGGAGCCAGGCAAGCCCCCAAGCACGCTGGGCAGAAGAAAACCTACCGAGCGATCGCAGAGACCT
 ATGCCCTTCTCCGAGAGAGGCGGTGACCCGGTTCCTGATGAGCTGTACGGAGTGTGAGAAGAGGATGCA
 CTTTAACCTCAATGGCCTGGAACCAAGAAAACGAGCCTCCATCTCCACTGGTCTCTGGGATTATTGAT
 TACAACATGCCCCCTACCTCCACCTACCTGAAGCAGATGAAGCTTCGAGTGATGAATCCAGGAGCAGG
 ATGAGACTTCTGTGAGCAGCGAGGATTTTGATATGAGCGACTCCACATGGATGTGAGCTGACCCGCACCT
 GGCTCCAGCCTGAGCCCCAGCCAGGACGAGAGGATGCGGAGCCCGCAGAACCTCCACAGTCAAGAGGAC
 GATGACTCCTCCTCTGAGAGTGGCAGCGCAATGGCTCCTCCACCTGAACCCATCCACGTGAGCAGCA
 CGCAGGGCGACCTGCCTTCCCCGAGATGAATGGCAACGGCGCGTGGCCCCATGGACTTACCCACGGC
 CGCCGAGGATCAGCCCATCAACCTGTGTGACAAGCTCCGCGGGCCACGGCACTTGGCACAGCCTCCTAC
 CCCTCGGATGGCTGCGGTGCCGACGGGCTGCGGAGCCGCGTCAATACGGGGTGAAGACCACCCCGAGT
 CCCCCCTACAGCTCTGGGAGCTACGATTCCATCAAGACCGAGGTCAGCGGCTGCCCTGAGGACCTGAC
 AGTGGGCCGGGCCCCGACGGCAGATGATGACGACGATGACCACGATGACCATGAGGACAATGACAAGATG
 AACGACTCTGAAGGCATGGACCCTGAGCGTCTTAAGGCCTTCAACATGTTTGTGCGTCTCTTTGTGGACG
 AGAACCTGGACCGCATGGTGCCCATCTCCAAGCAGCCCAAGGAGAAGATCCAGGCCATCATCGAGTCCTG
 CAGCCGGCAGTTCCTGAGTTCCAGGAGCGGGCCCGCAAGCGCATCCGCACGTACCTCAAGTCTGCCGT
 CGCATGAAGAAGAACGGCATGGAGATGACCAGACCCACGCCACCCCATCTGACCTCGGCCATGGCAGAAA
 ACATCCTGGCAGCTGCCTGTGAGAGCGAGACAAGAAAGGCAGCCAAGCGGATGCGTCTAGAGATCTACCA
 GTCCTCACAGGATGAGCCATAGCCCTGGACAAGCAGCACTCGCGGGACTCCGCAGCCATACCCACTCC
 ACCTACTCACTGCCAGCCTCCTCTACTCCAGGACCCTGTGTACGCCAACGGCGGCCTCAACTACAGTT
 ACCGCGGGTACGGGGCCTTGAGCAGCAACCTGCAGCCCCCTGCCTCCCTCCAAACAGGAAACCACAGTAA
 TGGGCCACGGACCTCAGCATGAAAGGCGGGGCTCTACCACTCCACCACCCCAAGGCCACCCCTCC
 AGCACCAGCACCAGAGCCCGTGCCACCGCTCAGCTCAGCCCCACGGAGATCAGCGCCGTGCGGCAGC
 TCATCGCGGGCTACCGGGAGTCTGCTGCCTTCTGCTGCGCTCTGCAGATGAACTGGAAAACCTCATCT
 ACAGCAGAAC

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234707 representing NM_001256798
 Red=Cloning site Green=Tags(s)

MPKPTLLLRGGWERERSPGDSELGRQFRDWCLRTYGDSAKTKTVTRSKYQRIAEVLQGGGGTGAGSGPAA
 GEKGKFQFWVRSGKGRFRLGSGREPKMGQVVYPVKTGSGADGLSEPEGISLKRVAVEDFFDIYSMHVES
 SAEPGKAPKHAGQKKTIRAIAETAYAFLPREAVTRFLMSCTECQKRMHFNNGLEPKENEPSPPLVSGIID
 YNMLPTSTYLKQMKLRVMNSQEDETSSSEDFDMSDSTWMSADPHLASSLSPSQDERMRSPQNLHSQED
 DDSSSESGSGNSTLNPSTSSSTQGDPAFPEMNGNGAVAPMDFTTAAEDQPINLCKLPPATALGTASY
 PSDGCGADGLRSRVKYGKTTPEPPYSSGSYDSIKTEVSGCPEDLTVGRAPTADDDDDHDDHEDNDKM
 NDSEGMDPERLKAFNMFVRLFVDENLDRMVPISKQPKKIQAIIIESCSRQFPEFQERARKRIRTYLKSCR
 RMKKNMEMTRTPPHLTSAMAENILAAACESETRKAARKMRLEIYQSSQDEPIALDKQHSRDSAAITHS
 TYSLPASSYSQDPVYANGGLNYSYRGYALSSNLQPPASLQTGNHNGPTDL SMKGGASTSTTPTPTPS
 STSTSRPVPTAQLSPTEISAVRQLIAGYRESAAFLRSADLENLILQQN

TRTRPLE – GFP Tag – V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_001256798

ORF Size: 2040 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_001256798.2](#)

RefSeq Size: 6781 bp

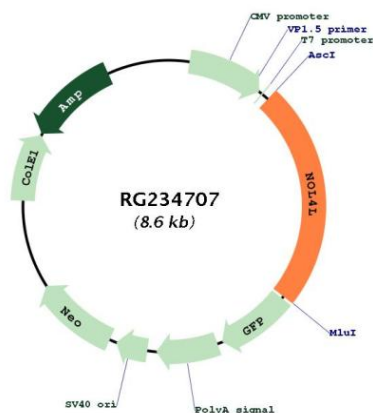
RefSeq ORF: 2043 bp

Locus ID: 140688

UniProt ID: [Q96MY1](#)

Cytogenetics: 20q11.21

Product images:



Circular map for RG234707