

## Product datasheet for **RG228574**

### **C1orf113 (SH3D21) (NM\_001162530) Human Tagged ORF Clone**

#### **Product data:**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | TurboGFP                |
| <b>Symbol:</b>                   | C1orf113                |
| <b>Synonyms:</b>                 | C1orf113                |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)  |



**ORF Nucleotide Sequence:** >RG228574 representing NM\_001162530  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAAGTCCTCGTCTGGCCGATACCGCGCGCAGAAGGAGGACGAGCTGAGTCTGGCGCCCGGGGACG  
 TGGTCCGGCAGGTGCGCTGGGTGCCGCGCGGGGCTGGCTTCGCGGAGAGTTTGGGGCCGCTATGGCCT  
 CTTCCCGAGCGCCTGGTGCAGGAGATCCAGAGACCTGCGGGGCTCCGGAGAGGCGCGGAGGCCGCGC  
 TGTGCGCGCCGCCGAGGTATCCTGCCAAACACCCGAGGCCCAAGATGGTGCAAAGTGAACCTCAGCT  
 ACAGCCAGAGCAGGCGGACGAGCTGAAGCTGCAAGCTGGGGAGATCGTGAAATGATAAAGGAGATTGA  
 GGACGGCTGGTGGCTGGGAAGAAGAACGGGCAGCTGGGAGCCTTCCATCCAACTTTGTGGAATTGCTG  
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 GGTCTGTTTGACTACCGCTGAGGCCCCAGACGAGTTGGCGCTCGGAGGGGGGACGTGGTAAAAGTA  
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 ACAACTTTGTACTCCACACCCCCAATCAAGAAGCTGGTCCACGAAAGTGGTATCTCGGAATCAGC  
 TCCTATTAAGGAACCAAAAAGTTGATGCCAAACATCCCTCCCCACAGTCAAGAAGCTAGCAACAGCC  
 ACCACTGGGCCCAGCAAGCCAAGACATCTCGGACACCCAGCAGGACAGTCAAGAAGCTCACCTCCCGAG  
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 GACTCCCCAGCAACGCTCTGTGTCCAGTCAGGAGGAAGAGCACAGCAGCCCGGTAAAGGCCCTCTGTG  
 AAGAGAACCCCATGCCGACAAGACTGCCACCCAGAGAGGCCCCAGCTCCAGAGAAGCCCCCAGCT  
 CCAAGAAGATCCCGGCTCTGACAAAGTCCCTCCCCAGAGAAGACCTCACTTAGGGGACAAGGCCTC  
 TATCCAGGGAATCCACCTCGGGGAAGATCCAGCTCCTGACAAAGTCCCCACCCAGAGAAGATGGTG  
 ACTCCGAGGACAAGGCTTCTATCCAGAGAACTCCATCATCCAGAGGAGACCTGACTGTGGACAAAC  
 CCTCCACTCCAGAGAGGCTCTTTTCAGTGAAGAGTCCCTGCCCTAGAAGCCCCACCTATGGATAAAGT  
 CCCTAATCCAAAGATGGCCCCCTCTGGGGGATGAGGCCCCACTCTAGAAAAGTCTTGACCCAGAGCTT  
 TCTGAAGAAGAGGTGTCCACCAGAGATGACATTCAATCCATCACTTCTCTTCGGAGGAAGCCCTGCAGA  
 AGGTCAAGTACTTTGTAGCCAAAGAGGATCCATCATCCAGGAGGAGGCCACACGCCAGAGGCACCCCC  
 ACCCCAGCCTCCTTCTCAGAGAGGTGCCTGGGAGAGATGAAATGTACCCTAGTTAGAGGGGACAGCTCC  
 CCACGCCAGGCTGAGTTGAAGTCTGGGCCAGCATCCAGGCTGCCCTTGAGAAGCCCCACCCACGAAG  
 AGGCTACAACCTTCCAGAGGAGGCACCTTCCAATGACGAGAGGACCCCTGAAGAGGAGGCGCCCCCAA  
 CGAGCAGAGGCCTCTGAGAGAGGAGGTGCTCCCAAGAGGGAGTGGCTTCCAAGAGGAGGTGACCCTG  
 AAAGAGGAATTGCCCCCTAAAGAGGAAGTGGCTCCAAAGAGGAGGTGCCCCCATAGAAAGAGCCTTTG  
 CCAAAAAACACGTCCTATCAAGCCGCTCCAGACTCCAAGAGACGCTCGCGCTCCCTCGCTGGTCCC  
 GCAAACTACACGAAAAACAAGATGAAGGAGTTGATGTAACGTCGCTGAGGGGCGAGGTGGAGTCTCTA  
 AGGAGGGCGCTGGAGCTGATGGAGGTGCAGCTGGAGAGGAAGCTGACCGACATCTGGGAGGAGCTGAAGA  
 GCGAGAAGGAGCAGCGCCGCGGCTGGAGGTCCAGGTGATGCAGGGGACCCAGAAGTCCAGACCCCGCG  
 CGTCATCCACACGACGACGACACCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG228574 representing NM\_001162530

Red=Cloning site Green=Tags(s)

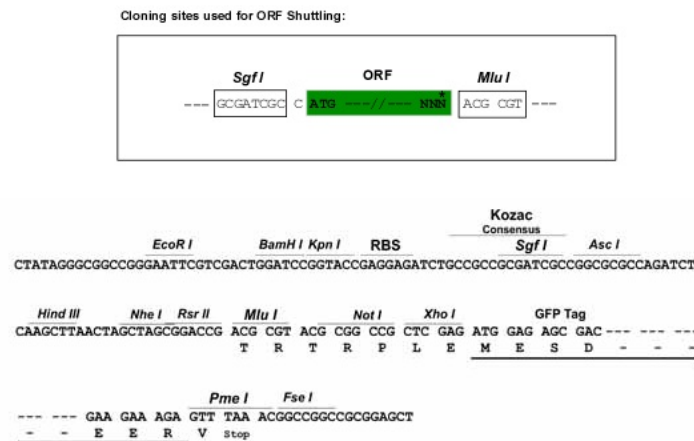
MEVLVLAGYRAQKEDELSLAPGDVVRQVRWVPARGWLRGEFGGRYGLFPERLVQEIPETLRGSGEARRPR  
CARRRGHPAKHPRPQRWCKVNFYSPEQADELKLQAGEIVEMIKEIEDGWLGKNGQLGAFPSNFEVLL  
DSGPPSLGNPDMPSPVSPGQRPPLSSLAYDSPDYLTQVSHPEVYRVLFQYQPEAPDELALRRGDVVKV  
LSKTTEDKGWWECEQRRGVFPDNFVLPPIIKLVPRKVVSRSAPIKEPKKMPKTSPTVKKLATA  
TTGPSKAKTSRTPSRDSQKLTSRDSGPNGGFQSGGSYHPGRKRSKTQTPQQRSVSSQEEHSSPVKAPSV  
KRTMPMDKTATPERPPAPENAPSSKKIPAPDKVPSPEKTLTLDKASIPGNSTSGKIPAPDKVPTPEKMY  
TPEDKASIPENSIPEETLTVDKPSTPERVFSVEESPALEAPPMDKVPNPKMAPLGDEAPTLEKVLTPEL  
SEEEVSTRDDIQFHHFSSEALQKVYFVAKEDPSSQEEAHTPEAPPQPPSSERCLGEMKCTLVRGDSS  
PRQAEKSGPASRPALAKPHPEEATTLPEEAPNDERTPEEEAPPNEQRPLREEVLPKEGVASKEEVT  
KEELPPKEEVAPKEEVPIERAFQKTRPIKPPDSQETLALPSLVQNYTENKNEGVDTSLRGEVESL  
RRALELMEVQLERKLTDIWEEKSEKEQRRRLEVQVMQGTQKSQTPRVIHTQTQTY

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:**

NM\_001162530

**ORF Size:**

2268 bp

**OTI Disclaimer:**

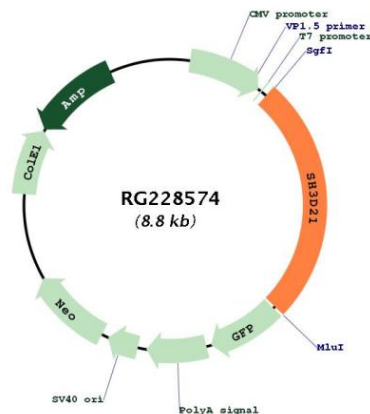
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001162530.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2527 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2271 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 79729                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>A4FU49</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 1p34.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Product images:**



Circular map for RG228574