

## Product datasheet for **RG226317**

### ANR52 (ANKRD52) (NM\_173595) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANR52 (ANKRD52) (NM_173595) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD52
Synonyms:	ANKRD33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226317 representing NM_173595 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGATCCTCAGCATCACGGACCAGCCGCCCTGGTCCAGGCCATCTTAGCCGAGATGTGGAGGAAG  
TGCGTTCCCTACTCTCGCAGAAGGAGAACATCAATGTGCTGGACCAAGAGAGGCGAACTCCATTGCATGC  
TGCTGCCTACGTAGGCGATGTCCCATCCTCCAGTTGCTACTGATGTCAGGTGCTAATGTCAATGCTAAG  
GACACACTGTGGCTGACCCCTTTCATCGTGTGCTGCCCTCCGAAACGAGAAGGTGCTGGGCTGCTGC  
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CACGAGCTGCTCATCAGCACCCCTCATGACCAATGGCGCAGATACCGCCCGCGTGGCATCCATGACATGT  
TCCCCCTGCACTTAGCTGTTCTCTTTGGATTCTCTGACTGTTGTCGTAAGCTTCTTCTCAGGTGAGTT  
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TAGCTACCAGTGTGCAGTAACATTGGTACTGCTGGGCGAGGTGCAACGAGGCCACTGTAAGGCTGC



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TCTCCCCTCCACTACGCTGCCGCTTCTGACACTTACAGGAGAGCGGAACCCCATACACCTTCCAGCCATG  
 ATGCCGAAGAGGACGAGCCACTGAAGGAGTCCCGCAGGAAGGAGGCCCTTCTTCTGTCTGGAGTTCTTACT  
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 GCCCTGCCCATGGGGCCTCTGCCCTACAGCCAGGAGCGGCCCGGCCATTGGGTTAGATGGCTGCT  
 ACTCTGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG226317 representing NM\_173595

Red=Cloning site Green=Tags(s)

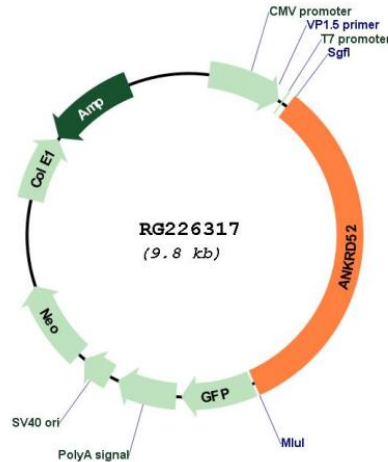
MGILSITDQPPLVQAFSRDVEEVRSLLSQKENINVLDQERRTPLHAAAYVDVPIQLQLLLMSGANVNAK  
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 RSALHHAHVHSGHLETVNLLLNGASLNVCDKKERQPLHWAFLGHLEVLKLLVARGADLGCKDRKGYLL  
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 SPLHYAAASDTYRRAEPHTPSSHDAEEDPLEKESRRKEAFFCLEFLLDNGADPSLRDRQGYTAVHYAAAY  
 GNRQNLLELLEMSFNCLVEDVESTIPVSPLHLAAYNGHCEALKTLAETLVNLDVDRDHKGRALFLATERGS  
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 VDCVHLLLEKGSTADAADLRGRTALHRGAVTGCEDCLAALLDHDADFVLCRDFKGRTPHILASACGHAVL  
 RTLLQAALSTDPLDAGVDYSGYSPMHWASYTGHEDCLELLEHSPFSYLEGNPFTPLHCAVINNQDSTTE  
 MLLGALGAKIVNSRDAKGRTPHAAAFADNVSGLRMLLQHQAEVNATDHTGRTALMTAAENGQTA AVEFL  
 LYRGKADLTVLDENKNTALHLACSKGHEKCALMILAETQDLGLINATNSALQMPHLHIAARNGLASVVQAL  
 LSHGATVLAVDEEGHTPALACAPNKDVADCLALILSTMKPFPPKDAVSPFSFSLLNKNCISIAAAKTVGGCG  
 ALPHGASCPYSQERPGAIGLDGCYSE

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_173595

**ORF Size:** 3228 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>RefSeq:</b>	<u><a href="#">NM_173595.4</a></u>
<b>RefSeq Size:</b>	8656 bp
<b>RefSeq ORF:</b>	3231 bp
<b>Locus ID:</b>	283373
<b>UniProt ID:</b>	<u><a href="#">Q8NB46</a></u>
<b>Cytogenetics:</b>	12q13.3
<b>Gene Summary:</b>	Putative regulatory subunit of protein phosphatase 6 (PP6) that may be involved in the recognition of phosphoprotein substrates.[UniProtKB/Swiss-Prot Function]