

## Product datasheet for **RG208320**

### **ANKRD6 (NM\_014942) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKRD6 (NM_014942) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208320 representing NM\_014942  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCCAGCAAGATGCGGTGCTGCACTTTCAGAGCGCCTTCTCGTAGCTGCGTACAAAGGCCAAACAG  
 AGAATGTGGTTTCAGCTCATCAACAAGGGCGCCAGGGTAGCGGTTACCAAGCATGGCCGGACTCCCCTGCA  
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 CAGGATGATGGGGACCAGACCGCCTTGACCCGGGCCACAGTGGTGGGAAACACGGAGATCATCGCGGCGC  
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 CCATTGTTAACAATGCAGGCCAGACTCCGCTGGAGACTGCCCGCTACCACAATAACCCGGGAAGTTGCTCT  
 TCTCCTTACTAAAGCTCCCCAGGCTTTGCGCTTCAGTCGTGGGCGAAGCCTGAGGAAAAAGAGAGAGAGG  
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 CCCACCCAGCCAGCCACCAACAGCCTGGACACCAGAAGAACCTGCATGCTCATAATCACCTAAAAAGA  
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 GAAACGTCAAGGTCCAGACAGCCTTGTACCCATGAATGAGGCAGCCAGATCTGATCAGCAGGCTGGGCC  
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 GGGACACCTCCCAAGCTCTGGAGCTTACCCAGTATTTTTTTGAGGCTGTTTCTACCCAGATGGAAAAGTG  
 GTATGAAAGGAAGATTGAAGAAGCACGAAGCCAAGCCAATCAGAAAAGCCAGCAAGATAAGGCTACATTG  
 AAGGAACACATTAAGTTTGAAGAGGAACCTGCCAAACTAAGGACTAGGGTGCAGAAGGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG208320 representing NM\_014942  
 Red=Cloning site Green=Tags(s)

```
MSQQDAVAALSERLLVAAYKGQTENVVQLINKGARVAVTKHGRTPLHLAANKGHLPVVQILLKAGCDLDV
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LHVAALNHKKVAKILLEAGADTTIVNAGQTPLETARYHNNPEVALLLTKAPQVLRFSRGRSLRKKRER
LKEERRAQSVPRDEVAQSKGSVSAGDTPSSEQAVARKEEAREEFLSASPEPRAKDDRRRKS RPKVSAFSD
PTPPADQQPGHQKNLHAHNHPKKRNRHRCSSPPPPHEFRAYQLYTLYRGKDGKVMQAPINGCRCEPLINK
LENQLEATVEEIKAE LGSVQDKMNTKLGQ MENKTQH QMRVLDKLMVERLSAERTECLNRLQQHSDTEKHE
GEKRQISLVDELKTWMLKIQNLEQKLSGDSRACRAKSTPSTCVDQLVVTAGPAAASDSSPPVVRPKEKA
LNSTATQRLQQELSSSDCTGSRLRNKVVQTALLPMNEAARSDQQAGPCVNRGTQTKKSGKSGPTRHRAQQ
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```

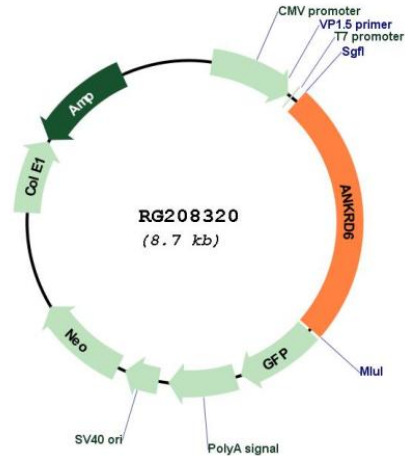
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_014942

**ORF Size:** 2166 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\\_014942.2](#), [NP\\_055757.2](#)

**RefSeq Size:** 2985 bp

RefSeq ORF:	2169 bp
Locus ID:	22881
UniProt ID:	<u>Q9Y2G4</u>
Cytogenetics:	6q15
Domains:	ANK
Gene Summary:	Recruits CKI-epsilon to the beta-catenin degradation complex that consists of AXN1 or AXN2 and GSK3-beta and allows efficient phosphorylation of beta-catenin, thereby inhibiting beta-catenin/Tcf signals.[UniProtKB/Swiss-Prot Function]