

Product datasheet for **RG228409**

ANKRD33B (NM_001164440) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ANKRD33B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228409 representing NM_001164440
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGCTGCTGGCCGGACCGGGCGGAGGGCGGGGCGCGCTGCATGACCCACCACCGCGTCCC
 CACCCCGGGCGCGCAGGTCGAGGAGGACCCGCTGACTACGAAGAGTTTGAGGACTTCTCGAGTCTGCC
 AGACACCCGCAGCATCGCTCGGACGACTTTTCTACCTTTTCGAGGACGAGGAGGACACGGCGTCGAG
 AGCGCGGAGAGCGTCCCGGAGGGCGTCCCGAAAGCGTCCCGGAGACGGCGACCCTCCTGCGCGCCGCT
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 TGACCCGAACGGCAGGACCGGCTTATTGTGCGCTGCTACACGGCTTTGTGGATACCGTGGTGGCTTA
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 GAGGAAGGCAGAGGAGGCCAAAAGAAGCGCCAGGCCAGGCGCAGAAGGAGAGGCGCACTGCGCCCTGG
 AAGAAGAGGACG

ACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228409 representing NM_001164440
 Red=Cloning site Green=Tags(s)

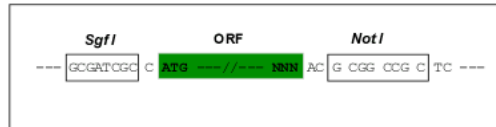
MVLLAGTGPEGGGARCMTPPPPSPPRGAQVEEDPADYEEFEDFSSLPDTRSIASDDSFYPFEDEEEHGV
 SAESVPEGVPESVPETATLLRAACANNVGLLRTLVRRGVSVVEAQETDRNGRTGLIVACYHGFVDTVVAL
 AECPHVDVNWQDSEGNALITAAQAGHAIITNYLLNYFPLDLERRNAFGFTALMKAAMQGRDTCIRALM
 LAGADVHARDPRRGMSPEQWATYTGRVDAVRLMQRLLEPCPEQFWEKYRPELPPPPPEAARKPAGSKNCL
 QRLTDCVLSVLTPRSVRGPEDGGVLDHVMRMTTSLYSPAVAIVCQTVCPESPPSVGKRRLAVQEILAARA
 ARGPPQAQEEDEVGAGQGRGTGQEDADSREGSPRAGLPPALGSRGPAAPAPRKASLLPLQRLRRRSVRPG
 VVVPVRVSKAPAPTFQPERPARKGSTKDSGHLQIPKWRYKEAKEKRKAEEAEKKRQAEQKERRTAPW
 KKRT

TRPLE - GFP Tag - V

Restriction Sites: SgfI-NotI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGCGGCGGGAATTCGCTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCCGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---
 T R T R P L E M E S D - - -
 PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT
 - - E E R V Stop

ACCN: NM_001164440

ORF Size: 1482 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:

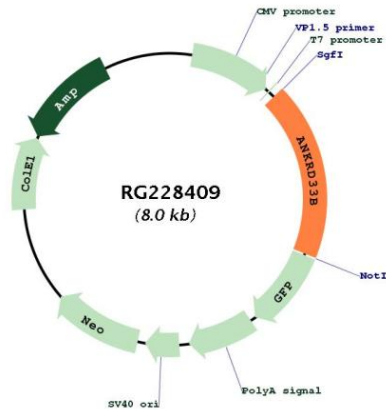
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001164440.2](#)

RefSeq Size: 9333 bp
 RefSeq ORF: 1485 bp
 Locus ID: 651746
 UniProt ID: [A6NCL7](#)
 Cytogenetics: 5p15.2

Product images:



Circular map for RG228409