

Product datasheet for **RG234669**

ANKRD6 (NM_001242814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD6 (NM_001242814) 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:

>RG234669 representing NM_001242814
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCCAGCAAGATGCGGTGCTGCACCTTCAGAGCGCCTTCTCGTAGCTGCGTACAAAGGCCAAACAG
AGAATGTGGTTTCAGCTCATCAACAAGGGCGCCAGGGTAGCGGTTACCAAGCATGGCCGGACTCCCTGCA
TCTTGCTGCCAATAAGGGCCATCTTCTGTGGTCCAGATCTTGCTGAAGGCTGGCTGCGACCTTGATGTC
CAGGATGATGGGGACCAGACCGCCTTGACCGGGCCACAGTGGTGGGAAACACGGAGATCATCGCGGCGC
TCATCCACGAAGGGTGTGCCCTGGACAGACAAGACAAGGCGGGAAACACAGCTCTGCACCTGGCCTGCCA
GAACAGCCACTCCAGAGCACGCGCTCCTCTGCTGGCCGGTCCCGCGCTGACCTCAAAAATAATGCA
GGAGACACCTGTTTGACGTTGCTGCGCGCTATAATCACTTGCCATCATTAGGCTCCTCCTCACTGCTT
TCTGTTCTGTCCATGAAAAGAACCAGGCTGGAGACACAGCACTTCACGTTGCTGCTGCCCTAAATCACAA
GAAGGTGGCCAAAATCTTACTGGAAGCCGAGCAGATACGACATTGTTAAACAATGTCTTGCGCTTCAGT
CGTGGGCGAAGCCTGAGGAAAAAGAGAGAGAGGGCTCAAGGAAGAGAGGAGAGCCAGTCTGTGCCAAGAG
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TGAGTTCAGGGCGTATCAGCTCTACACATTGTACCGGGCAAGGATGGGAAAGTATGACAGGCACCAATA
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TCCCTCCAGTGGTTAGGCCAAAGAGAAGGCCCTCAACTCCACTGCTACCCAGAGACTCCAGCAGGAGC
TGTCGTCTTCTGACTGTACAGGCTCCCGACTGAGAAACGTCAAGGTCCAGACAGCCTTGCTACCCATGAA
TGAGGCAGCCAGATCTGATCAGCAGGCTGGGCCCTGCGTCAACAGAGGCACTCAAATAAGAAAGTCTGGG
AAGAGTGGCCAAACAAGGCATCGTGCCAGCAACCCGACCCAGCAGCACCTGTGGGCGAGCCGCCACCAG
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TTTTGAGGCTGTTTCTACCCAGATGAAAAGTGGTATGAAAGGAAGATTGAAAGAAGCAGCAAGCCAAAGCC
AATCAGAAAGCCAGCAAGATAAGGCTACATTGAAGGAACACATTAAGTTTAGAAGAGGAACTTGCCA
AACTAAGGACTAGGGTGCAGAAGGAAAAT

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234669 representing NM_001242814
Red=Cloning site Green=Tags(s)

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MSQQDAVAALSERLLVAAYKGQTENVVQLINKGARVAVTKHGRTPLHLAANKGHLPVVQILLKAGCDLDV
QDDGDQATALHRATVVGNTEIIAALIHEGCALDRQDKAGNTALHLACQNSHSQSTRVLLLAGSRADLKNNNA
GDTCLHVAARYNHLIIIRLLLAFCSVHEKNQAGDTALHVAAALNHKKVAKILLEAGADTTIVNNVLRFS
RGRSLRKKRERLKEERRAQSVPRDEVAQSKGSVSAGDTPSSEQAVARKEEAREEFLSASPEPRAKDDRRR
KSRPKVSASFSDTPPADQQPGHQKLNHANNHPKRNHRCSPPPPHEFRAYQLYLYRGKDGKVMQAPI
NGCRCEPLINKLENQLEATVEEIKAEELGVSVDKMNKLGQMENKTQHQMRLDKLMVERLSAERTECLNR
LQQHSDTEKHEGEKRQISLVDELKTWMLKIQNLEQKLSGDSRACRAKSTPSTCVDQLVVTAGPAAASDS
SPPVVRPKEKALNSTATQRLQELSSSDCTGSRLRNKVVQTALLPMNEAARSDQQAGPCVNRGTQTKKSG
KSGPTRHRAQQPAASSTCGQPPATGSEQTGPHIRDTSQALELTQYFFAVSTQMEKWYERKIEEARSQA
NQKAQQDKATLKEHIKSLEELAKLRTRVQKEN
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001242814

ORF Size: 1989 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_001242814.1](#), [NP_001229743.1](#)

RefSeq Size: 4961 bp

RefSeq ORF: 1992 bp

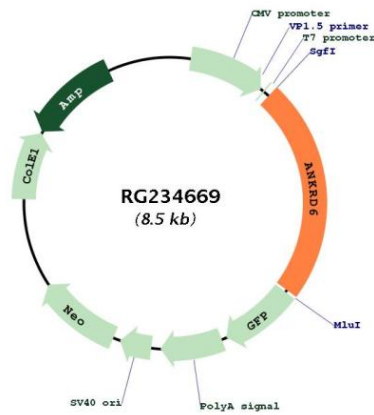
Locus ID: 22881

UniProt ID: [Q9Y2G4](#)

Cytogenetics: 6q15

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]

Product images:



Circular map for RG234669