

Product datasheet for **RG234783**

ANKRD6 (NM_001242811) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD6 (NM_001242811) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234783 representing NM_001242811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCAGCAAGATGCGGTGCTGCACCTTCAGAGCGCCTTCTCGTAGCTGCGTACAAAGGCCAAACAG
 AGAATGTGGTTTCAGCTCATCAACAAGGGCGCCAGGGTAGCGGTTACCAAGCATGGCCGACTCCCCTGCA
 TCTTGCTGCCAATAAGGGCCATCTTCTGTGGTCCAGATCTTGCTGAAGGCTGGCTGCGACCTTGATGTC
 CAGGATGATGGGGACCAGACCGCCTTGACCCGGCCACAGTGGTGGGAAACACGGAGATCATCGCGGCGC
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 GTCATCATTAGGCTCCTCCTCACTGCTTCTGTTCTGTCCATGAAAAGAACCAGGCTGGAGACACAGCA
 CTTACGTTGCTGCTGCCCTAAATCACAGAAGGTGGCCAAAATCTTACTGGAAGCCGGAGCAGATACGA
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 AGGTGTGGACCAATTAGTGGTACTGCAGGTCCAGCAGCAGCTTCCGACAGCTCCCCTCCAGTGGTTAGG
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 CCAGATGGAAAAGTGGTATGAAAGGAAGATTGAAGAAGCACGAAGCCAAGCCAATCAGAAAAGCCAGCAA
 GATAAGGCTACATTGAAGGAACACATTAAGTTTAGAAGAGGAAGTTCGCAAACTAAGGACTAGGGTGC
 AGAAGGAAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234783 representing NM_001242811
 Red=Cloning site Green=Tags(s)

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MSQQDAVAALSERLLVAAYKGQTENVVQLINKGARVAVTKHGRTPLHLAANKGHLPVVQILLKAGCDLDV
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LHVAAALNHKKVAKILLEAGADTTIVNAGQTPLETARYHNNPEVALLLTKAPQVLRFSRGRSLRKKRER
LKEERRAQSVPRDEVAQSKGSVSAGDTPSSEQAVARKEEAREEFLSASPEPRAKDDRRRKS RPKVSAFSD
PTPPADQPGHQKNLHAHNHPKKRNRHRCSSPPPPHEFRAYQLYTLYRGKDGKVMQAPINGCRCEPLINK
LENQLEATVEEIKAE LGSVQDKMNTKLGQMENKTQHMRVLDKLMVERLSAERTECLNRLQQHSDTEKHE
GEKRQISLVDELKTWCLMKIQNLEQKLSGDSRACRAKSTPSTCESSTGVDQLVVTAGPAAASDSSPPVVR
PKEKALNSTATQRLQVELSSSDCTGSRLRNKVVQTALLPMNEAARSDQQAGPCVNRGTQTKKSGKSGPTR
HRAQQPAAASSTCGQPPPATGSEQTGPHIRDTSQALELTQYFFEAVSTQMEKWYERKIEEARSQANQKAQQ
DKATLKEHIKSLEEELAKLRTRVQKEN
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242811

ORF Size: 2181 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_001242811.1](#), [NP_001229740.1](#)

RefSeq Size: 5738 bp

RefSeq ORF: 2184 bp

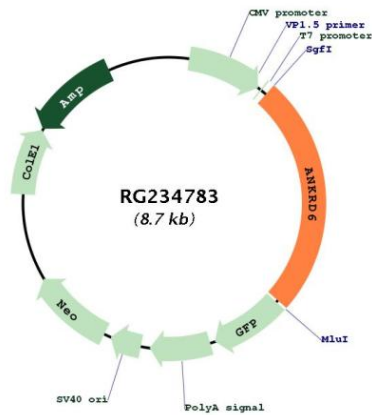
Locus ID: 22881

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 RG234783