

Product datasheet for **RG235330**

ANKRD26 (NM_001256053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD26 (NM_001256053) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD26
Synonyms:	bA145E8.1; THC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235330 representing NM_001256053 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGATTTTTAGTAAGAAGGGCGAGTCGCCCTTGGGCTCCTTCGCGCGCGGCAGAGGAGCAGCG
CGGGAGGCGGGGCGAGCCGGGGAGGGCGCCTACTCGCAGCCCGGTACCACGTCCGAGACCGAGATCT
CGGCAAGATCCACAAAGCTGCCAGCGGGTAATGTGGCGAAAGTGCAGCAGATCCTTTTGCTCAGGAAG
AATGGCTTGAACGATAGAGACAAGATGAACAGGACGGCTCTACATTTGGCCTGTGCCAATGGTCATCCAG
AAGTAGTAACCTCCTGGTGGACAGAAAATGCCAGCTCAATGTCTGTGACAACGAAAACAGGACAGCTCT
GATGAAGGCTGTACAATGCCAGGAAGAGAAAATGTGCAACTATTCTGCTAGAACATGGTGCTGATCCAAAT
CTTGCGGATGTCCATGGCAACACTGCTCTTCACTATGCTGTCTATAATGAGGACATATCAGTAGCAACAA
AGCTGCTTTTGTATGATGCAAAATTTGAAGCAAAAAACAAGGATGACCTCACACCACTTTTACTTGCAGT
AAGTGGAAGAAAGCAGCAAAATGGTGGAAATTTTAAATAAAGAAAAAGCAAAATGTAATGCAGTAGATAAG
TTGAAAGCAGTCACCAACTAATTTCAGAATAAAGAAGAAAGGATACCTAAACATTCTTCTCAAATA
GTAATTCAGTGGATGAAAGCTCTGAAGACTCCTTAAGCAGGCTTCTGGCAAACCGGGTGTGATGATTC
ATGGCCTACCTCAGATGACGAAGACCTCAATTTTGATACTAAGAATGTCCAAAAACCAAGCTTAGCAAAG
CTAATGACTGCTTCTCAGCAATCCAGGAAAAATTTAGAAGCAACATATGGCACTGTGAGAACAGGAAATA
GAACCTTTGTTGAGGATAGAGATTCGATAGTCAAGATGAAGTTGTGGTTGAAAGCCTTCTTACAACATC
AATCAAAGTCCAGTGCTTTTCTCATCTACCTATCAATCACCTGACCTTCTTCCAAAACTTCCACAAG
TCGTTAGCAAACCTGGTCTTATGAAGGAAGAACCAACAAAGCCAGGCATTGCAAAAAAGAAAATGGTA
TTGATATTATTGAAAGTGTCCACTAGAGCAAACAAATAATGACAATTTGACTTATGTTGATGAAGTGCA
CAAAAAAATAGAAGTATATGATGTCCGATTAGGATTAGGACAAGAGGAAGATATAGAATCACCTTGG
GATTCTGAGAGTATCTCTGAGAATTTCCACAGAAGTATGTTGATCCTTTAGCTGGGGCTGCAGACGGAA
AAGAAAAAATATAGGAAATGAACAAGCAGAAGATGTGTTTTATACCTTCTTGCATGAGTGGATCAAG
AACTTTAAGATGGCTAACTAGAGGATACAAGAAATGTAGGCATGCCAGTAGCCACATGGAGTCTCT



[View online >](#)

GAGAGATATCTTCACTTGAAGCCTACCATTGAAATGAAAGATTCTGTTCCAAATAAAGCAGGAGGAATGA
AGGATGTACAAACATCCAAGCAGCTGAACATGACTTAGAAGTAGCATCAGAAGAAGAGCAAGAAAGGGA
AGGGAGTGAAAATAACCAGCCACAGGTTGAAGAAGAAAGGAAAAACACAGAAATAATGAAATGGAAGTA
TCAGCAAACATACATGATGGTGTACTGATGATGCTGAAGATGATGATGATGATGATGGATTAATTCAAA
AAAGAAAGAGTGGAGAACTGATCATCAGCAATTTCCAGGAAGGAAAAAAAGAGTATGCTAGTGGTCC
TGCCTTGCAAATGAAGGAAGTAAAGAGCACTGAAAAAGAAAAACGGACCTCGAAAGAATCTGTGAATTC
CCAGTGTGGGAAGGCCAGTTTACTAACTGGTGGCCTGCTACAAGTGGATGATGACAGCAGTTTAAGTG
AAATAGATGAGGATGAAGGAAGGCTACTAAGAAAAACATCTAATGAAAAGAAACAAGTCAAAAACCAAAT
ACAGTCTATGGATGATGTTGATGACTTAACTCAGTCATCTGAAACAGCCTCAGAGGATTGTGAGCTACCC
CACTCTAGTTACAAGAATTTTATGTTGCTCATTGAAACACTTGGAAATGGAGTGTAAAGATTCTGTTAGCC
TATTGAAAATCCAGGATGCAGCTCTTTCATGTGAAAGATTATTAGAACTTAAAAAAATCACTGTGAACT
ACTTACAGTAAAAATAAAAAATGGAAGACAAGGTTAATGTAATAAAAAGGGAGCTATCTGAAACAAA
GAAATAAATCACAGTTAGAGCATCAAAAAGTTGAATGGGAACGAGAAGTGTGCTCTTTGAGATTTAGCT
TAAACCAAGAAGAAGAGAAGAGAAGAAATGCTGATACGTTGTATGAAAAAATTAGGGAACAGTTAAGAAG
AAAAGAAGAGCAATATAGGAAAGAGTTGAAGTGAACAACAGCTTGAAGTGAAGTCTCCAAACACTGGAG
ATGGAATGAGGACTGTAAAAAGTAATTTGAATCAGGTCGTTCAAGAGCGAAATGACGCTCAGAGGCCAAC
TTTCTCGAGAACAGAATGCCAGAATGTTACAAGATGGAATTCTGACCAATCACCTTTCCAAACAAAAGGA
GATTGAAATGGCTCAAAAGAAAATGAATTTGAGAATTCTCATAGTCATGAAGAAGAAAAAGACCTATCG
CATAAAAATAGCATGTTGCAGGAAGAAATGCTATGCTAAGACTAGAAAATAGACACAATAAAAAATCAAA
ACCAGGAAAAAGAAAAGAAAATGTTTTGAGGACCTTAAAATTGTAAAAGAAAAGAAATGAAGACCTTCAGAA
GACTATAAAACAGAATGAGGAAACATTAACACAAAACAATATCCAGTATAATGGACGGCTTAGTGTCTG
ACAGCTGAGAATGCAATGCTAAATCTAACTGGAGAATGAAAAGCAAAGCAAGGAAAGACTGGAAGCAG
AAGTGAATCATACCATTCTAGATTGGCTGCTATACATCGTGATCAAAGTGAAGACATCAAAAAG
AGAACTAGAACTTGCTTTCCAGAGAGCAAGAGATGAATGTTCTCGTTTACAGGACAAAATGAATTTGAT
GTGCTAACCTAAAAGATAACAATGAGATTCTTTCTCAACAACCTATTTAAAAGTAAAAGTCAATA
GCCTAGAAATTGAGTTCATCACACGAGAGATGCCCTCAGAGAAAAGACTTTGGGTTTAGAACGGGTACA
AAAGGACCTAAGCCAAACACAGTGTCAAATGAAGGAAATGGAACAAAAGTATCAAATGAACAAGTTAAA
GTGAATAAATACATTGGAAGCAGGAGTCTGTAGAGGAGAGATTGTCTCAACTACAAAGTGAAGATATGT
TGCTTCGACAACAACCTGGATGATGCCACAACAAGGCTGACAATAAAGAGAAGACAGTGATTAATATCCA
AGACCAGTTTCATGCTATTGTGCAAAAACCTCAAGCTGAGAGTAAAAGCAAAGTCTTCTGCTAGAAGAA
AGAAATAAGGAGTTAATCAGTGAATGTAATCAGTAAAAGAAAGACAGTATCAATATGAAAATGAAAAGG
CAGAAAAGAGAAGTTGTTGTGAGACAACCTCAACAAGAAGTACGCTGATACCCTAAAAAAACAAATCTATGTC
AGAGGCTTCACTGGAGGTTACGTACGTTATCGTATTAATTTAGAAGATGAGACACAGGATTTAAAGAAG
AAATTAGGTCAAATCAGAAATCAATTGCAAGAAGCACAGGATCGACATACAGAAGCTGTCAGATGTGCTG
AGAAGATGCAAGATCACAAAGCAAAGCTTGAAAAAGATAATGCCAAGTTAAAAGTTACAGTCAAAAAGCA
AATGGACAAAATGAGGAGCTTCAGAAAACCTGTTAAATGCAAAATTTGTCTGAAGATGAAAAGGAACAA
TTAAAGAAAACCTATGGAATTAACAGTCACTGGAATGTAATTTGGATCAAGAAATGAAGAAAAATGTTG
AATTAGAAAAGAGAGATAACTGGATTTAAGAACCCTTAAAAATGACAAGAAAAGAGTTAATGAATATGA
AAATGGAGAATTTAGTTTCCATGGAGATTTAAAAACTAGTCAATTTGAAATGGATATTCAGATTAATAAG
CTAAAACATAAGATTGATGATCTTACAGCAGAAGTGGAGACTGCAGGTTCAAATGTCTACATCTGGATA
CAAAGAACCAAATTTCTCAAGAGGAGTTGTTATCTATGAAAACAGTACAAAAGAAATGTGAAAAACTACA
GAAGAATAAAAAGAAGTTGGAACAAGAAGTATCAACCTGAGAAGTCATATAGAAAGGAATATGGTAGAA
CTTGGTCAAGTCAAACAGTATAAACAGGAGATTGAAGAAAAGCAAGACAGGAAATAGCAGAAAAATTA
AAGAAAGTCAATCTATTTTACAGGCACAAGCAGCATCTCAAGAAAACCTAGAGCAGTTTAGAGAGAATA
TTTTGCTTCAATGAAAAGTCAAGTGAAGTCAAGATTAAGATCTGGAATCTGAACTCTCCAAAATAAAA
ACTTCTCAAGAAGACTTTAATAAAACCGAACTGGAAAAATATAAGCAACTCTATCTAGAAGAAATTAAG
TTAGAAAATCTTTGTCAAGTAACTAACCAAAACCTAATGAGAGGCTAGCAGAGGTC AACACCAAACCTTCT
TGTGAAAAACAGCAGAGCAGATCTTTGTTCAACACTCTCACTACCAGGCCAGTCATGGAGCCACCTTGT
GTGGGAAATCTTAATAATAGTTTAGATCTCAACAGAAAACCTATTCCAAAGAGAAAACCTAGTGATCTCTA
CCTCAAATCCACGGGCTTCAAATAATAGCATGGAGAACTACTTGAGCAAGATGCAGCAGGAGTTGGAAAA
AAATATAACTAGAGAAGTCAAAGAAGCTGCTGCTGAATTTGAAATCTGGATCAATAGCTTCCCCTCTAGGG
TCTACTGATGAGTCAAATCTAAATCAAGATCTAGTTTGGAAAGCATCAAGAGAATATGTACAGGTTTTAA

AGAAAAATTATATGATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG235330 representing NM_001256053

Red=Cloning site Green=Tags(s)

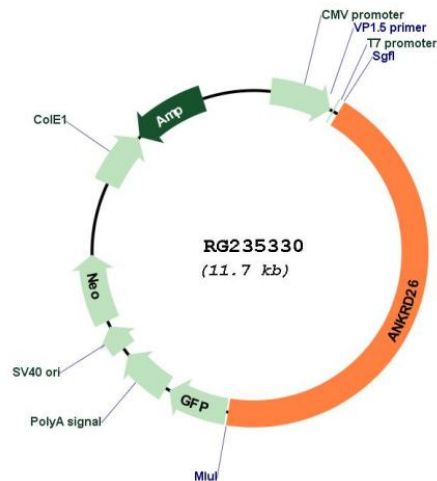
MKKIFSCKGESPLGSFARRQRSSAGGGGEPGEGAYSQPGYHVRDRDLGKIHKAAASAGNVAKVQQILLLRK
 NGLNDRDKMNRALHLACANGHPEVVTLVDRKCQLNVCNDNENRTALMKAVQCQEKCATILLEHGADPN
 LADVHGNTALHYAVYNEDISVATKLLLDYANIEAKNKDDLTPLLLAVSGKKQMVVEFLIKKANVNAVVK
 LESSHQLISEYKEERIPKHSSQNSNSVDESSDSLRLSGKPGVDDSWPTSDDEDLNFDTKNVKPSLAK
 LMTASQQSRKNLEATYGTVRTGNRTLFDSDSDSQDEVVVEVSLPTTSIKVQCFSHPTYQSPDLLPKPSHK
 SLANPGLMKEEPTKPGIACKENGIDIIIESAPLEQTNNDNLTYVDEVHKNNRSDMMSALGLGQEEEDIESPW
 DSEISSENFQKYVVDPLAGAADGKEKNIQNEQAEDVFYIPSCMSGSRNFKMAKLEDTRNVGMPVAHMESP
 ERYLHLKPTIEMKDSVFNKAGGMKDVQTSKAAEHDLVASEEEQEREGSENNQPQVEEERKHRNNEMEV
 SANIHDGATDDAEDDDDDGLIQKRKSGETHQFPRKENKEYASGPALQMKEVKSTEKEKRTSKESVNS
 PVFGKASLLTGGLLQVDDSSLEIDEDEGRPTKTSNEKNKVNQIQSMDDVDDLQSSSETASEDCPL
 HSSYKNFMLLIEQLGMECKDSVLLKIQAALSCERLLELKKNHCELLTVKIKKMEDKVVNLQRELSETK
 EIKSQLEHQKVEWERELCSLRFSLNQEEKRRNADTLYEKIREQLRRKEEQYRKEVEVKQLELSLQTL
 MELRTVKSNLNQVQERNDARQLSREQNARMLQDGILTNHLSKQKEIEMAQKMNSENSSHEEEKDLS
 HKNSMLQEEIAMLRLIEDTIKQNEKEKCFEDLKI VKEKNEDLQKTIKQNEETLTQTISQYNGRLSVL
 TAENAMLSKLENEKQSKERLEAEVESYHSRLAAAIHDRDQSETSKRELELAFQARDECSSLQDKMNF
 VSNLKDNEILSQQLFKTESKLSLEIEFHHTRDALREKTLGLERVQKDLQSQTCQMKEMEYQNEQVK
 VNKYIGQKQESVEERLSQLQSENMLLRQQLDDAHNKADNKEKTVINIQDQFHAIQKQLQAESEKQSLLEE
 RNKELISECNHLKERQYQYENEAEREVVVRQLQQLADTLKQSMSEASLEVTSTRYRINLEDETQDLKK
 KLQIRNQLQEAQDRHTEAVRCAEKMQDHKQKLEKDNALKVTVKKQMDKIEELQKNLLNANSEDEKEQ
 LKKLMELKQSLCENLDQEMKKNVELEIEITGFKNLLKMTKRLKNEYENGEFSFHGDLKTSQFEMDIQINK
 LKHKIDDLTAELETAGSKCLHLDTKNQILQEELSMKTVQKCKEKLQKNKKLQEVINLRSHIERNMVE
 LGQVKQYKQEIIEERARQIEAEKLEVNLFQAQAASQENLEQFRENNFASMKSQMELRIKDLESELKIK
 TSQEDFNKTELEKYKQLYLEELKVRKSLSSKLTNTERLAEVNTKLLVEKQSRSLFTTLTTRPVMPEPP
 VGNLNNSLDLNRKLIIPRENLISTSNPRASNNSMENYLSKMQQELEKNITRELKEAAAELESGSIASPLG
 STDESNLNQDLVWKASREYVQVLKKNYMI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001256053

ORF Size: 5127 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_001256053.2](#)

RefSeq Size: 6776 bp

RefSeq ORF: 5130 bp

Locus ID: 22852

UniProt ID: [Q9UPS8](#)

Cytogenetics: 10p12.1

Gene Summary: This gene encodes a protein containing N-terminal ankyrin repeats which function in protein-protein interactions. Mutations in this gene are associated with autosomal dominant thrombocytopenia-2. Pseudogenes of this gene are found on chromosome 7, 10, 13 and 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]