

Product datasheet for **RG207669**

ANKRD13B (NM_152345) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ANKRD13B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG207669 representing NM_152345
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATCCCCGCAACGCCTCCGCCAGGAAGGGGCCGAGGGCAAGTATCCGCTGCACTACCTCGTGTGGC
 ACAACCGCCACCGCGAGCTGGAGAAGGAGGTCCGCGCGGGCCAGGTGGACATCGAGCAGCTGGATCCCCG
 CGGCCGGACTCCCCTGCACCTGGCCACACGCTGGGGCACCTTGAGTGTGCCGTGTGCTCTGGCGCAC
 GGCGCAGACGTGGGCAGGGAGAATCGCAGCGGCTGGACAGTGTCTCAGGAGGCTGTGAGTACCCGGGACC
 TGGAGCTGGTGACGTGGTGTCTCGGTACCGGGACTACCAGCGGGTGGTGAAGCGGCTGGCGGGCATCCC
 CGTGCTCCTGGAGAAGCTGCGCAAGCCCCAGGACTTCTACGTGGAGATGAAATGGGAGTTCACTAGCTGG
 GTGCCCTGGTGTCCAAGATCTGCCCTAGTGACACCTACAAAGTGTGAAGAGCGGCCAGAACCCTGAGGG
 TAGACACCACACTCCTGGGCTTTGACCACATGACCTGGCAGCGAGGGAACCGCAGCTTTGTCTTCAGGGG
 CCAAGACACAAGCGCCGTGGTGTGAGAGATTGACCACGACCGCGGGTGGTGTACACAGAGACTCTGGCA
 CTGGCTGGGCGAGGACCGGAGCTGTGCTGGCTGCTGCTCAGCCCACTGAGGAACAGGTGCTGAGCCGGC
 TTACCGCGCCCGTGTGCTACCACTCAGCTTGACACCAAGAAATATCTCCTTTGAGAGGAACAAGACTGGCAT
 CCTGGGCTGGCGCAGTGAAGACGGAGATGGTGAATGGGTATGAAGCTAAGGTGTATGGGGCATCTAAC
 GTGGAGCTCATACCCGCACACGGACAGAACATCTTTCAGAACATCACAAGGGCAAGGTCAAAGGCTGTA
 AGACACCTTTGCAGTCTTCTGGGAATCGCTGAGCAGCAGCGGGGCCCCAAAATGGGACCCTGATCAC
 TCAGACTCTGAGCCAAGCCAACCCCACTGCCATCACTGCAGAAGAATACTTCAACCCCAACTTTGAGCTG
 GGCAACCGTGATATGGGCGCCCCATGGAAGTACCACCAAGACACAGAAGTTCAAGGCCAAGCTGTGGC
 TGTGTGAGGAGCATCCCTGTCCCTGTGTGAGCAGGTGGCCCCATCATTGACCTCATGGCCGTGAGCAA
 TGCGCTTTTGGCAAGCTCCGGGACTTCATCACCTGCGTGTGCCTCCTGGCTTCCCAAGTTAAGATTGAA
 ATCCCAGTCTTCCACATCCTCAACGCCCGCATCACCTTCGGGAACCTCAACGGCTGCGACGAACCGGTGC
 CATCGTGCGAGGCGAGCCAGCAGCGAGACGCTTCCCCAGGCGAGCTCCTCCAGCGTCAGCAGCTC
 CAGCTCCACGACCTCCTGCCGCGCTGCGAGATCTCCCCAGCGTTGTTGAGGCCCCGCGCGGCTACAGC
 ATGATGGGCGGCCAGCGGGAGCGCGACCCGGGACGACGACGACGACCTGCTGCAATTCCGCATCCAGC
 AGAGCTGCTTGAAGCGGGCAGTGAGTATGACCAGGTACCATCTGGGAGGCGCTAACCAACAGCAAGCC
 AGGCACCCACCCCATGTCTACGAGGTCGCCGACAGGACAGGAGCGCCCCGCCACGCGCAGCGCCAG
 CCTGCGCCCCGCGCTAGTGCCAGCCCTCGGCCAGCTCAGGGCCAGGTTCCGGCGGCCACGTGTTCC
 GGAGCTACGACGAGCAGCTGCGGCTGGCGATGGAATGTGCGCGCAGGAGCAGGAGGAGGCGGCGGCG
 CGCGCGCCAGGAGGAGGAGGAGCTGGAGCGCATCTGAGGCTCTCACTGACCGAGCAG

AGCGGACCGACGCTACGCGGCGCTCGAG - GFP Tag - GTTTAA

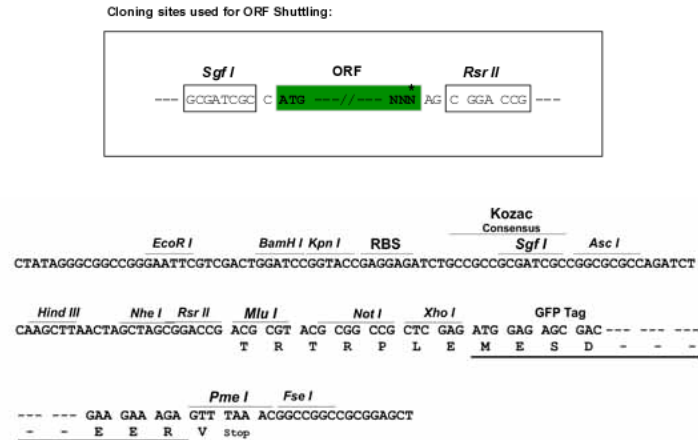
Protein Sequence: >RG207669 representing NM_152345
 Red=Cloning site Green=Tags(s)

MIPANASARKGPEGKYPLHYLVVHNHRELEKEVRAGQVDIEQLDPRGRTPHLATTLGHLECARVLLAH
 GADVGRNRSQWTVLQEAVSTRDLELVQLVLRDYQRRVVKRLAGIPVLEKLKRPQDFYVEMKWEFTSW
 VPLVSKICPSDITYKVKSGQNLKVDTTLLGFDHMTWQRGNRSFVFRGQDTSVVMEIDHRRVVYTETLA
 LAGQDRELLAAAPTEEQVLSRLTAPVVTQLDKNISFERNKTGILGWRSEKTEMVNGEAKVYGASN
 VELITRTRTEHLSEHHKGKVKCKTPLQSFLGIAEQHGGPQNGTLITQTLNQANPTAITAEFYFNPNFEL
 GNRDMGRPMELTTKTQKFKAKLWLCHEHPLSLCEQVAPIIDLMAVSNAFLAKLRDFITLRLPPGFVPKIE
 IPIFHILNARITFGNLNGCDEPVPSVRGSPSSETPSPGSDSSSVSSSSSTTSCRGEISPALFEAPRGYS
 MMGGQREAAATRDDDDLLQFAIQQSLLAAGSEYDQVTIWEALNSKPGTHPMSYEGRRQDRSAPPTPQRQ
 PAPPASVSPRPSSGPGSGGHVFRSYDEQLRLAMELSAQEQEERRRRARQEEEEELERILRLSLTEQ

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_152345

ORF Size: 1878 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.

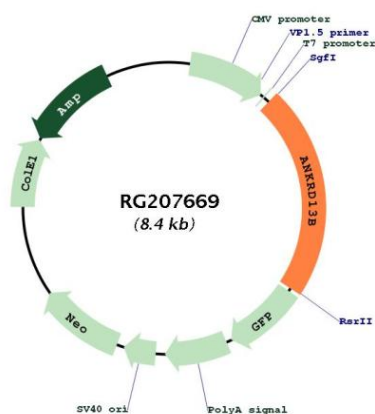
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152345.3](#), [NP_689558.3](#)

RefSeq Size: 3203 bp

RefSeq ORF:	1881 bp
Locus ID:	124930
UniProt ID:	Q86YJ7
Cytogenetics:	17q11.2
Domains:	UIM
Gene Summary:	Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. Does not bind 'Lys-48'-linked ubiquitin. Positively regulates the internalization of ligand-activated EGFR by binding to the Ub moiety of ubiquitinated EGFR at the cell membrane. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207669