

Product datasheet for **RG221211**

ANKRD55 (NM_024669) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD55 (NM_024669) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221211 representing NM_024669
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGAGACAGGCTACCATGGATTTAGCACCCTTCTGTGTTGATCAGCAAAGAGGTGACTCATCTG
 AGGAAGTTGACCTGACCATGGTTTATCAAGCAGCCTCTAATGGAGATGTCAATGCTCTGACTGCAGTGAT
 TCGGGAAGACCCTTCTATCCTAGAAATGCTGTGACAGTGAAGGATGCACGCCCTTGATGCATGCGGTTTCT
 GGACGTCAAGCGGACACAGTGAAGCTGCTGTTGAAGATGGGAGCCAATATTAACATGCAGGATGCTTATG
 GCCGCACAAGTTTATGCCTGGCCACCTACCTGGGCTGGCTTGAAGGCTGTGTGAGTCTACTCAGAAACGG
 TGCCAAGCACAATATCCAGATAAAAAATGGCCGCTGCCACTGCATGCTGCCACTGCTGAGCCCGATATG
 AGGCTCCTCACGGTCTGTTGCAACAGTGAACATCAGCGAGATTAATCACCAGGACAATGAGGGAATGA
 CACCCTCCACTGGCGGCTTTCCACAACAGCCTCAACACACAAAATGCTGCTGAAGAAGGGGGCAGA
 CCCACCCTTGTGGATAAAGACTTTAAAACCGCTCTCCACTGGGAGTCCAGAGTGGAAATAGGATTCTG
 TGCTCCATCATTCTGAGCCATCACCAGGGGCCCTCAATCAACTATGATGATGAGAGTGGGAAGACAT
 GTGTACATATCGCAGCGGACGCGGCTTCAGCGATATTATTCATGAGCTGGCAAGAGTCCCTGAGTGTA
 CCTGCAGGCTCTGGATGTGGATGACAGGACACCTCTGCACTGGGCTGCAGCTGCAGGGAAGGCCAATGT
 GTCCAGTCACTGCTGGAGTTGGGAATGGACAGCAACCTGCGGGACATCAATGAGAGCACGCCCTTGGCCT
 ATGCCCTGTAAGCGGTACACGGCGTGTGTCAAACCTCTCTCCCAAGAGAGCAGAACAGAGCCTACTCG
 ACCCCCTCCCTCCAGAGCAGTCGGCCCCAGAAGAAGGAGAGACGGTTCAACGTGCTCAACCAAAATTC
 TGCAAAAAACAAGAAAGAAGAGCAGAGAGCCCATCAGAAGGATCCAGCAGGAGCCGATACAGAGAGGAGG
 ACACCTCAGAAGTCAATGACATCATCACCACCTTTGATAGCATCGTGGGTACCAACTGCCAAGAACAGCC
 TGGTGATCAGGTGGCTATGGTTGAATTTAAGAAGAAAACCTCAGACAATTCAAAAATCTCTTACCAGAA
 AAGAAAACCGCTGGCCGTAAGGGGCTTCCACCAATCAGAACGCAGAGTCTCCACCCATCACCCTGGGCA
 ATAACCTCCTAACAGCCTCCCATAGGGCCACTCCCATGCAGGCTGAGCTCTGCTCCTCATCATATGGC
 CCAGCGATCTCAGAAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 GATAACCCCTGGAAGAGTGATTCTAATCAGGATTTTCTACAAAGTTGGACTGTGTCTTCTTCTGATA
 AGCTGCTGGACAGATTGCTCAGTGTCCGGCCTGGTCACCAAGAGGTCTCCGTGCCACCACACCTTCGCCA
 TCTACATAATCCATCATCAGGACAAAATTTTTCAGCATCTTCCCCAAACAGACACAAAATCAGGGATCTT
 CCTTTCCTCGGAACAACCTAGCTCCCCTACCAGATCAAAAATTTCTATCTGGAGAACCTCTGCGGACAA
 ACCGAGTCTTCCGCAATTCGAAGTCAACGAAGACACAGCACAGCAGCAGAAGAGAGTGAACATTCTGC
 CAACCCACCAAGTATGAAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221211 representing NM_024669
 Red=Cloning site Green=Tags(s)

MMRQATMDFSTPSVFDQQRGDSSEEVDLTMVYQAASNGDVNALTAVIREDPSILECCDSEGCTPLMHA
 VSRQADTVKLLKMGANINMQDAYGRTSLCLATYLGWLEGVSLLRNGAKHNIPDKNGRLPLHAATAEPDM
 RLLTVLLQQSNISEINHQDNEGMTPLHWAAFHNQPQHTQMLLKKGADPTLVDKDFKALHWAVQSGNRIL
 CSIIILSHHQGPSIINYDDESGKTCVHIAAAGFSDIIHELARVPECNLQALDVEDRTPHWAAGKAEC
 VQSLLELGMDSNLRDINESTPLAYALYCHTACVKLLSQESRTEPTRPPPSQSSRPQKKERRFVNLNQIF
 CKNKKEEQRAHQKDPSTRDRYREEDTSEVNDIITTFDSIVGTNCQEQPGDQVAMVEFKKTSDNSKYLLPE
 KKPLARKGLPPIRTQSLPPITLGNFLTASHRATSHAGLSSAPHHMAQRSQKSRSEQDLLNRTGCQMLL
 DNPWKSNSNQVFSYKVTWVSSDKLLDRLLSVRPGHQEVSVPPHLRHLHNPSSGQNFQHLSPNRHKIRDL
 PFTRNLLAPLPDQKFLSGEPLRTRNRPVPAIPSRHRHSTAAESEEHSANPTSDEN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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_024669.3
RefSeq Size:	2502 bp
RefSeq ORF:	1845 bp
Locus ID:	79722
UniProt ID:	Q3KP44
Cytogenetics:	5q11.2