

## Product datasheet for **RG240251**

### ANKRD17 (NM\_001286771) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD17 (NM_001286771) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD17
Synonyms:	GTAR; MASK2; NY-BR-16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240251 representing NM_001286771. Blue=ORF Red=Cloning site Green=Tag(s)

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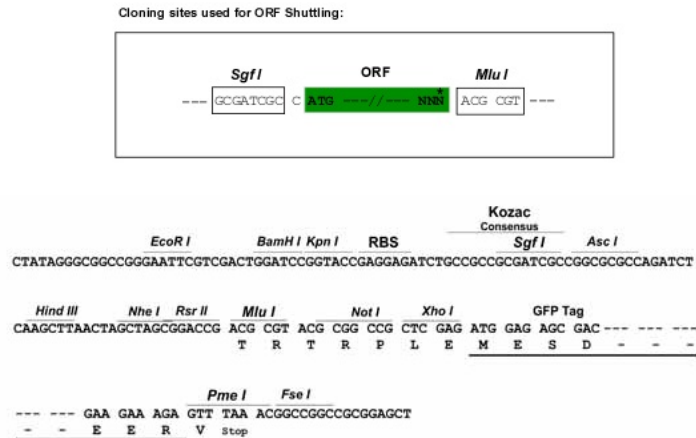
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**Protein Sequence:** >Peptide sequence encoded by RG240251  
 Blue=ORF Red=Cloning site Green=Tag(s)

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**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001286771

**ORF Size:** 7470 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).

**RefSeq:** [NM\\_001286771.2](#), [NP\\_001273700.1](#)

**RefSeq Size:** 9021 bp

**RefSeq ORF:** 7473 bp

**Locus ID:** 26057

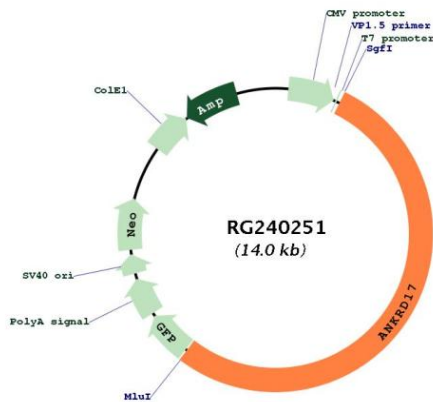
**UniProt ID:** [Q75179](#)

**Cytogenetics:** 4q13.3

**MW:** 264 kDa

**Gene Summary:**

The protein encoded by this gene belongs to the family of ankyrin repeat-containing proteins, and contains two distinct arrays of ankyrin repeats in its amino-terminal region, one with 15 ankyrin repeats, and the other with 10 ankyrin repeats. It also contains a nuclear export signal, nuclear localization signal, and a cyclin-binding RXL motif. Localization of this protein to the nucleus has been shown experimentally, and interactions between this protein and cyclin-dependent kinase 2 have been observed. It has been suggested that this protein plays a role in both DNA replication and in both anti-viral and anti-bacterial innate immune pathways. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

**Product images:**


Circular map for RG240251