

Product datasheet for **MG216311**

Ankrd40 (NM_027799) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankrd40 (NM_027799) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ankrd40
Synonyms: 1110011C06Rik; 5530600A18Rik; Gcap15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216311 representing NM_027799
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGCCCTCCTAGAGCAGAAGGAGCAGCAGGAGAGGCTGCGGGAGGCGGGCCTTGGGGACATTC
 GGGAGGTGCAGAACTGGTGGAGAGCGGGTGGATGTGAACTCGCAAAATGAGGTCAACGGCTGGACCTG
 TTTACTGCGCATGTAAACGCAACCATGGACAGGTGGTGTCTACCTGCTACAATCAGGAGCTGACAGA
 GAGATTCTACAACAAAAGGGAAATGCCGGTACAATAACATCAAGGAGAGAAATCAGGAAGATTATGG
 GAGTGAAGAAGCCGATGAGGAGGAGATCCCTCAGCTGAAGAAGGAGTCAGAACTGCCCTTTGTCCC
 CAACTATCTGGCCAACCCAGCTTTCCCTTTTATCTACACCCTGCAGCAGAAGACTCCACCCAATTGCAG
 AATGGGGGCCCTCCCCACCTCCAGTGTCACTCCTGCAGATAGCTCACCTCCATTGCTCCCCCCACAG
 AAACCCCTTTGCTAGGGCCCTTCTAGGGACCACAGCTCTTTGGCATTGGTCCAGAATGGTGATATTTT
 TGCCCCCTCTGCCATACTTAGAACACCAGAAAGCACAAAACCTGGTCTGTCTGTGAGCCACCAGTGAGT
 CAGAACCCTCCCTGTTCTGTGCCATCCAAGCCCCGGTGTCTCTGGAGCCTCAGAACGGGACGTATG
 CAGGCCCGCGCCAGCATTCCAGCCATTTTCTCACCGGAGCATTTCATTTAATATGCAAGAGCTGGT
 ACTCAAAGTGAGGATTCAGAATCCATCTCTCGTAAAAATGACTTCATTGAAATGAACTGGATCGACAG
 GAACTCACCTACCAAGAAGTCTGAGAGTGAGCTGTGAGCTGGGTGTTAATCCAGACCAAGTGGAAA
 AGATAAGAAAGTTACCCAACACTCTGTTAAGAAAGGACAAAGATGTTGCCGACTCCAGGACTTCCAGGA
 GCTGGAAGTGGTTCTGATGATAAGTGACAATAATTTTCTGTTTAGAAAACGCTGCATCCACTGACTGAG
 AGGCCCTTGCTATAACCGGAGAGCTTCAAAAAGTACGCTAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216311 representing NM_027799
 Red=Cloning site Green=Tags(s)

```
MSALLEQKEQERLREAAALGDIREVQKLVE SGVDVNSQNEVNGWTC LHWACKRNHGQVVS YLLQSGADR
EILTTKGEMPVQLTSRREIRKIMGVEE ADEEEEIPQLKKESEL PFPNYLANP AFPFIYTPAAEDSTQLQ
NGGSPPPPVSPPADSSPPLLPTETPL LGAFFRDHSSLALVQNGDIS APSAILRTP ESTKPGPVCQPPVS
QNRSLFSVPSKPPVSLEPQNGTYAGP APAFQPFFFTGA FPFNMQELV LKVRIQNP SLRENDFIE IELDRQ
ELTYQELLRVSCCELGVNPDQVEKIR KL PNTLLRKDKDVAR LQDFQELEL VLMISDNNFL FRNAASTL TE
RPCYNRRASKLTY
```

TRTRPLE - GFP Tag - V

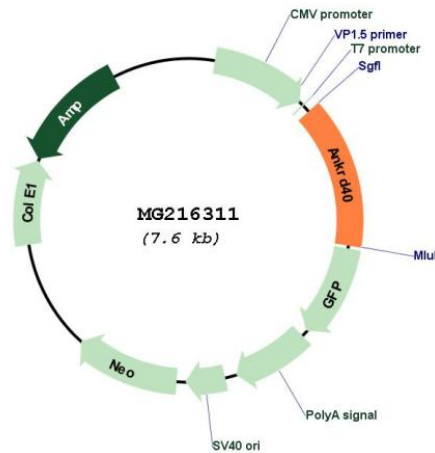
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027799

ORF Size:	1089 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:	<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_027799.2 , NP_082075.2
RefSeq Size:	3493 bp
RefSeq ORF:	1092 bp
Locus ID:	71452
UniProt ID:	Q5SUE8
Cytogenetics:	11 D