

## Product datasheet for **MG217820**

### Ankrd40 (NM\_146024) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ankrd40 (NM\_146024) 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:** >MG217820 representing NM\_146024  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCGCCCTCCTAGAGCAGAAGGAGCAGCAGGAGAGGCTGCGGGAGGCGGGCCTTGGGGACATTC  
 GGGAGGTGCAGAACTGGTGGAGAGCGGGTGGATGTGAACCGCAAAATGAGGTCAACGGCTGGACCTG  
 TTTACTGCGCATGTAAACGCAACCATGGACAGGTGGTGTCTACCTGCTACAATCAGGAGCTGACAGA  
 GAGATTCTTACAACAAAAGGGAAATGCCGGTACAACATAACATCAAGGAGAGAAATCAGGAAGATTATGG  
 GAGTGAAGAAGCCGATGAGGAGGAGATCCCTCAGCTGAAGAAGGAGTCAGAACTGCCCTTTGTCCC  
 CAACTATCTGGCCAACCCAGCTTTCCCTTTTATCTACACCCCTGCAGCAGAAGACTCCACCCAATTGCAG  
 AATGGGGGCCCTCCCCACCTCCAGTGTACCTCCTGCAGATAGCTCACCTCCATTGCTCCCCCCCACAG  
 AAACCCCTTTGTAGGGCCTTTCTAGGGACCACAGCTCTTTGGCATTGGTCCAGAATGGTGATATTTTC  
 TGCCCCCTCTGCCATACTTAGAACACCAGAAAGCACAAAACCTGGTCTGTCTGTGAGCCACCAAGT  
 CAGAACCCTCCCTGTTCTGTGCCATCCAAGCCCCGGTGTCTCTGGAGCCTCAGAACGGGACGTATG  
 CAGGCCCGCGCCAGCATTCCAGCCATTTTCTCACCGGAGCATTTCATTTAATATGCAAGAGCTGGT  
 ACTCAAAGTGAGGATTCAGAATCCATCTCTCGTAAAAATGACTTCATTGAAATTGAACTGGATCGACAG  
 GAACTCACCTACCAAGAACTGCTGAGAGTGAGCTGTGAGCTGGGTGTTAATCCAGACCAAGTGGAAA  
 AGATAAGAAAGTTACCAACACTCTGTTAAGAAAGATTAAGATGAACCAAGACCCTGGAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217820 representing NM\_146024  
 Red=Cloning site Green=Tags(s)

MSALLEQKEQERLREAAALGDIREVQKLVE SGVDVNSQNEVNGWTCLHWACKRNRHGQVVS YLLQSGADR  
 EILTTKGEMPVQLTSRREIRKIMGVEEAD EEEEEIPQLKKESELPFV PNYLANPAFPFIYTPAAEDSTQLQ  
 NGGPPPPVSPPADSSPPLLPTETPLLGAFPRDHSS LALVQNGDISAPSAILRTP ESTKPGPVCQPPVS  
 QNRSLFSVPSKPPVSLEPQNGTYAGPAPAFQPFF FTGAFPFNMQELVLKVRIQNP SLRENDFIEI ELDRO  
 ELTYQELLRVSCCELGVNPDQVEKIRKLPNTLLR KIKDEPRPWN

TRTRPLE - GFP Tag - V

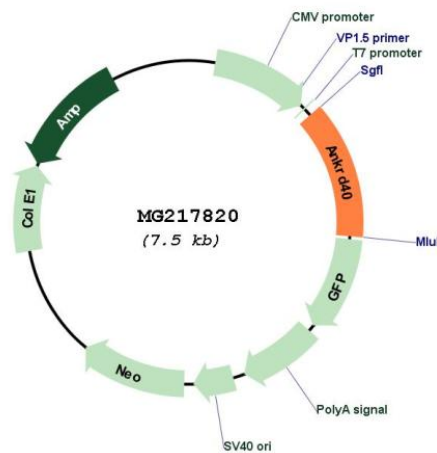
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_146024

**ORF Size:** 972 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_146024.1</a> , <a href="#">NP_666136.1</a>
<b>RefSeq Size:</b>	1468 bp
<b>RefSeq ORF:</b>	975 bp
<b>Locus ID:</b>	71452
<b>UniProt ID:</b>	<a href="#">Q5SUE8</a>
<b>Cytogenetics:</b>	11 D