

## Product datasheet for **MC228746**

### Ankrd6 (NM\_001012451) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd6 (NM_001012451) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankrd6
Synonyms:	di
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228746 representing NM\_001012451  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCCAGCAGGATGCGGTGCTGCGCTTTCAGAACGCCTGCTCATAGCTGCGTACAAAGGCCAAACAG  
 AGAATGTGGTTTCAGCTCATCAACAAGGGTGCCAAGGTAGCCGTTACCAAGCATGGCCGGACCCCTTGCA  
 CCTCGCTGCCAATAAGGGTCATCTTTCTGTGGTGCAGATTTTGCTGAAGGCTGGCTGTGACCTCGATGTG  
 CAAGATGATGGGGACCAGACAGCCTTGACCCGGGCCACTGTGGTGGGAAACACCGAGATCCTCACAGCGC  
 TTATCCGGGAGGGGTGTGCCCTGGACAGACAGGACAAGGATGGGAATACAGCCCTGCATGAAGCCGCTG  
 GCACGGATTACAGCCAGTCAGCCAAGCTGCTCGTTAAAGCCGGAGCCAATGTGCTTCCAGAAACAAGGCA  
 GGGAAACACAGCTTGCACCTGGCCTGCCAGAATAGTCACTCCAGAGCACTCGCATCCTCCTGCTGGGCG  
 GCTCCCGGGTGCCTCAAAAACAACGCAGGGGACACCTGTGTCACGTGGCTGCGCGGTATAACCACTT  
 GTCGCTGTCAGACTCCTCCTCAATGCTTCTGCTCTGTCCATGAAAAGAACCAGGCTGGAGACACGGCC  
 CTCATGTGGCTGCTGCCCTAAATCACAGAAGGTAGTTAAAGTCTGCTGGAAGCTGGTGTGACACAA  
 CCATTGTGAACAATGCAGGCCAGACCCCGCTGGAGACTGCCCGCTACCACAATAATCCTGAAGTCCGACT  
 ACTCCTCACCAAGGCTCCCCAGATCTTGCGCTTCACTGCTGGGCGAAGCCTGAGGAAAAGGAGAGAGAGG  
 CTCAAGGAAGAGAGGAGGGCCAGTCTGTGCCCGAGATGAGGTGGCACAGAGCAAGGGAAGTGTCTCAG  
 CAGGAGATACCCCGAGCAGTGAACAAGCAGTACCCAAAAAGAGGAAGCTAGAAGAGATTGTCCACCAGC  
 TTCCAGGAGCCAAGAAAGGATGAGAGGAGGAGAAAGTCGAGGCCAGAGGTGTACGCGTTATCTGACCCC  
 ACCCCAGCCGAGACCAACAGCCTGGACACCAAAAAGAACCTGCACAGTCATCACCAACCCAAAAAGAAGA  
 GCAGACATCGGTGTTGGTCCCCACCTCCACCCACGGGTTACAGGGCGTACCAGCTATACACGCTGTACCG  
 GGGCGAGGATGGAAAAGTATGCAGGCACCAATAAAAGGTTGTCGCTGTGAACCTCTAATCAACAAGCTG  
 GAGAACCAAGTTGGAGGCGACTGTGGAGGAAATCAGAGCTGAGTTAGGCTCGGTGCAGGATAAAGTGAACG  
 CGAAGCTGGGCCAGATGGAGAGCAAAACCCAGCACCAATGTGCGTTTTGGACAAACTGATGGTGGAAACG  
 GCTGTCCGCGGAGAGAACAAGATGCATGAATCGCCTGCAACAGCATGCAGCTGCTGAGAAGCAGGAGGGA  
 GAGAAACGTCAGATGTCTTTGGTAGATGAACTAAAAGCCTGGTGCATGTTGAAGATCCAGAGTCTGGAGC  
 TAAGACTCTCTGGAGAGTCTCGGACCTCAGAGCTAAATCCACACCACCTCCGCTGACTCCACTCCAGC  
 TGTAGACCAACCAGTGGTAGCTGCAGGGCCAGGAGCAGCTCCGACAGCTCCTCTCAGTTGTGAGGCCC  
 AAGGATAAAGCGCTCAATGCCTCGGCTGCCACAGCCACCAGCAGGAGCTGCCTCCCTCTGACTGTACAG  
 GGTCTGGGTTAAGGAAGATCAAGGCCCGGGTGTCTCCAGGTGTGATCAGCAGACTGGATCCTGTGTCAA  
 CCGAGGCACTCAGACCAAGAAGTCTGGGAGAAGTGGGCAGACCAAGCATCGAGGCCAGCAGCCCACTGCC  
 AGCAGCCCCAGTGGGCAGCAGCCATCAGCAGCAAGCAGTGTGTCGAGACGCCTCACAAGCCCTGGAGC  
 TAACTCAGTATTTTTTGGAGCCGTTTCTGCACAGATGGAAAAGTGGTATGAACGGAAAATTGAAGAAGC  
 ACGGAGCCAAGCAAGTCAGAAAGCTCAGCAGGATGAGGCCACATTGAAGGAACACATCAGAAGTCTGGAG  
 GAGGAGCTTGCCAGGCTGCGGACAAAGGTGCAGAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001012451  
**Insert Size:** 2139 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001012451.1, NP_001012454.1</u>
<b>RefSeq Size:</b>	4444 bp
<b>RefSeq ORF:</b>	2139 bp
<b>Locus ID:</b>	140577
<b>UniProt ID:</b>	<u>Q69ZU8</u>
<b>Cytogenetics:</b>	4 A5
<b>Gene Summary:</b>	<p>This gene encodes a protein which is thought to be involved in the Wnt signaling pathway and embryonic axis formation. Similar genes have been found in human, rhesus macaque, and zebrafish. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1-4 all encode the same protein.</p>