

Product datasheet for **MC226941**

Ankra2 (NM_001271389) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankra2 (NM_001271389) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ankra2
Synonyms: 1110004M18Rik; Ankra
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226941 representing NM_001271389
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTACATCTGCAAATCTGGACATTGGGGCCAGCTGATCGTGAAGAGTGTCACAGCAGCTATATCT
CTGGGATGCCAGACATCAAGCTAGAGCACCAGCTAGACCCAAACCCAGATGAAGGAGCAGCCAGGGCGT
CGCCATGGGGATGAAATTCATATTGCCAAACCGATTTGATATGAACGTGTCTTCGATTCTGTAAGTCC
TTAAATGAAGAGGATAGTAAAAATATTCAGATCAAGTAACTCTGACCTGGAGGTGGCATCTGTCTTAT
TTAAAGCTGAGTGCAATATCCATACATCTCCTTCTCCTGGAATCAAGTAAGGCATGTCTACACACCATC
TACAACAAAACATTTCTCACCCATAAAACAGTCAACTACTTTAACCAACAAGCACAGGGGAAACGAGGTC
TCTACCACACCTCTGTTAGCAAATTTCTGTCTGCTCACCAGTTGGCAGCCAGGGAGAGATGCTCTACC
TGGCTACTCGTATTGAACAAGAAAATGTTATCAATCACACGGATGAAGAAGGATTACCCCCCTGATGTG
GGCTGCGGCACATGGGCAAATAGCTGTGGTAGAGTTCCTTCTTCAGAATGGTGCAGATCCCCAGCTTCTA
GGAAAAGGTCGAGAAAAGTGTCTGTCTTGCCTGTAGCAAGGGCTACACAGACATTGTCAAAATGCTGC
TTGACTGTGGAGTTGACGTCAATGAATATGACTGGAACGGAGGGACACCTTTGCTTTACGCTGTCCATGG
GAACCACGTGAAGTGCCTGAAGATGCTGTTGGAAAATGGAGCTGACCCAACAATTGAAACAGACTCTGGC
TATAATTCTATGGACCTAGCTGTAGCTTTGGGCTACAGAGGTGCTCTGATTATATGCTTGTACAGATGT
CTTCAGGATTTTCAGTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271389
Insert Size: 930 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271389.1</u> , <u>NP_001258318.1</u>
RefSeq Size:	2215 bp
RefSeq ORF:	930 bp
Locus ID:	68558
Cytogenetics:	13 D1
Gene Summary:	May regulate the interaction between the 3M complex and the histone deacetylases HDAC4 and HDAC5 (By similarity). May also regulate LRP2/megalin (PubMed:11095640). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 3' UTR and has an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (b) is longer and has a distinct C-terminus, compared to isoform a.