

Product datasheet for **MC225948**

Ankra2 (NM_001271391) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankra2 (NM_001271391) 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: >MC225948 representing NM_001271391
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCTACCTGGCTACTCGTATTGAACAAGAAAATGTTATCAATCACACGGATGAAGAAGGATTTACCC
CCCTGATGTGGGCTGCGGCACATGGGCAAATAGCTGTGGTAGAGTTCCTTCTTCAGAATGGTGCAGATCC
CCAGCTTCTAGGAAAAGGTCGAGAAAGTCTGTCTCTTGCCTGTAGCAAGGGCTACACAGACATTGTC
AAAATGCTGCTTGACTGTGGAGTTGACGTCAATGAATATGACTGGAACGGAGGGACACCTTTGCTTTACG
CTGTCCATGGGAACACGTGAAGTGCCTGAAGATGCTGTTGGAAAATGGAGCTGACCCAACAATTGAAAC
AGACTCTGGCTATAATTCTATGGACCTAGCTGTAGCTTTGGGCTACAGAGGTGTCCAACAGGCCATCGAG
TCCCATCTGCTGAAACTCCTTCAGAACATCAGGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001271391
Insert Size: 459 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).



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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_001271391.1, NP_001258320.1</u>
RefSeq Size:	1555 bp
RefSeq ORF:	459 bp
Locus ID:	68558
Cytogenetics:	13 D1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) contains multiple differences in the UTRs and coding region, compared to variant 1. These differences result in initiation of translation at an alternate in-frame downstream start codon, compared to variant 1. The encoded isoform (e) has a shorter N-terminus and a distinct C-terminus, compared to isoform a.</p>