

Product datasheet for **SC112363**

ANKRA2 (NM_023039) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRA2 (NM_023039) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRA2
Synonyms:	ANKRA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112363 sequence for NM_023039 edited (data generated by NextGen Sequencing)

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ATGGATACATCAACAAATCTGGATATTGGAGCCAGCTTATCGTGAAGAGTGTCCCAGC
ACTTATAGCCTAACTGGCATGCCAGACATTAATAAGAACATCCACTGGACCCAAATTCA
GAAGAAGGTCAGCTCAGGGTGTGCCATGGGAATGAAATTCATATTGCCTAACCGATTT
GATATGAATGTGTGTTCTCGATTTGTGAAGTCCTAAATGAAGAAGATAGTAAAAATATT
CAAGATCAGGTTAACTCTGACCTGGAGGTGGCATCTGTCCTATTTAAAGCTGAATGCAAT
ATCCATACATCTCCTTCTCCGGGAATCAAGTAAGGCATGTCTACACCCCTCTACAACA
AAGCATTTCTCACCCATAAAACAGTCAACCACTTAACCAACAAACACAGAGGAAATGAG
GTCTCTACCACACCTCTGTTAGCAAATTTGTCTGTTACACAGTTGGCTGCTCAGGGA
GAGATGCTCTATCTGGCTACTCGTATCGAACAAGAAAATGTTATCAATCACACGGATGAA
GAAGGATTTACTCCTCTGATGTGGGCTGCAGCACACGGGCAAATAGCTGTGGTAGAGTTC
CTACTTCAGAATGGTGTGATCCCAACTTTTAGGAAAAGGTCGAGAAAGTGCACGTGCG
TTGGCCTGTAGTAAAGGCTACACAGATATTGTCAAAATGCTGCTTATTGTTGGAGTTGAT
GTAAATGAATATGATTGGAAATGGAGGAACACCTCTGCTTTATGCTGTACATGGAAATCAT
GTGAAATGTGTAAGATGCTCTTAGAAAGTGGGGCTGATCCAACAATTGAAACTGACTCT
GGATATAATTCTATGGATCTAGCTGTAGCCCTAGGCTATAGAAGTGTTC AACAGTTATT
GAGTCACATTTGTTGAAGCTGCTTCAAAATATCAAGGAGTAG
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Clone variation with respect to NM_023039.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_023039 unedited GGATTTGTATACGACTCTATAGGGCGGCCGGAATTCGCACGAGGGAAGGCCCGACTCG CTGTCTGCTGTCGTCGGTGGTCGCGAGACCTTGCACTCTCACCGGGTCGGCCTCCAGCCC CTGTGCCCGGGATCCGCTCGCCGCGGATGAGCGAGAGTTTCTTCTGGGACTTTTCGGGC ACAGCTGGCCGGTGGCGACAGAACGGACTTTCTTCTGCAAGAGTCTCCCCTCCAGCGG GAGACAGCGGGCTCCTGTCTCGGGACGCTGGGACACCTGTGCCTATTTTTAAATATCCA GATTCCAAGAACACACTGGATACTGCTTTACAAAACCAAGAGGAAATCATGAAGAAATG TTTTAGTTATTGAAACTACAGTTGAAATCATGGATACATCAACAAATCTGGATATTGGAG CCCAGCTTATCGTGAAGAGTGTCCAGCACTTATAGCCTAACTGGCATGCCAGACATTA AAATAGAACATCCACTGGACCCAAATTCAGAAGAAGGGTCAGCTCAGGGTGTGCCATGG GAATGAAATTCATATTGCCTAACCGATTGATATGAATGTGTGTCTCGATTTGTGAAGT CCTTAAATGAAGAAGATAGTAAAAATATCAAGATCAGGTTAACTCTGACCTGGAGGTGG CATCTGCTCTATTTAAAGCTGAATGGCATATCCATACATCTCTCTNCGGGAAATTCAA GTAGGCATGTCTACACCCCTCTACACANAGCATTCTCACCATANAACAGTCAACCACT TTTACCAACAACACAGAGGAATGGAGTCTCTACCACACCTCTGTAGCAAATCTTTGTCT GGTCACAGTTGGCTGCTCAGGNAAGATGCTCTTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_023039 unedited TCTTGNC CGCGGCCGATTCTATGATCGAGTTTTTTTTTTTTTTTTTTTGGACAGAAGAATA TTTTATTTATTTATAATATCATTTTGGAAACAATCACACTGTGCACTTTTTAATTCACA ATAAGAACAATTTTTTCTAGGGATTTATAGCAAACCTATATAAAGTGAATGACTTAAT ACACGAGTGAAGATGACTAGGGTAGAATAATTTCTGAAAATGTCAAATTACAGCACTTGA TACAAAGACTGATGATACTATCTGTACCATAAAAATTTACATGCCACGAAAACATTAAT TTATAATTTTAAATATACAGTAAAACATAGTTATAAAAAGAGTATTACATTTATTATAAA CCAGTGAATTA CTAGAGAAATATTTATTTAAAACCTACTAAAAACAGTAAATATTGCAA CTGAGGTA AAAATTTATAAGTAAACAAAATATCATTTATAAGGACCAAGAAGTAAACAA AAGGGCAGACATTTTCTGATGACTGTGTCTACTCCTTGATATTTTGAAGCAGCTTCAACA AATGTGACTCAATAACCTGTTGAACACTTCTATAGCCTAGGGCTACAGCTAGATCCATAG AATTATATCCAGAGTCAGTTTCAATTGTTGGATCAGCCCCACTTTCTAAGAGCATCTTTA CACATTTACATGATTTCCATGTACAGCATAAAGCAGGAGTGTTCCTCCATTTCAATCAT ATTCATTTACCTCAACTCCACAATCAAGCAGCATTTTGACAATATCTGTGTAGCCCTTTA CTACAGGCCACGACAGTGCACCTTCTTCGACCTTTTCTTAAAGTTGGGGATCAAGCAC CATTCTGGAGTAAGGAACTCTTACCCAGCTTTTTGGCCGGTGGGCTGCAGCCCACCATC AGAGAGGTA AACCTTCTCACTCCGGGGATTGAAAACATTTTTTTTGTTCGGAAN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_023039
Insert Size:	1820 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).
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_023039.2 , NP_075526.1
RefSeq Size:	2048 bp
RefSeq ORF:	942 bp
Locus ID:	57763
UniProt ID:	Q9H9E1
Cytogenetics:	5q13.2
Domains:	ANK
Gene Summary:	May regulate the interaction between the 3M complex and the histone deacetylases HDAC4 and HDAC5 (PubMed:25752541). May also regulate LRP2/megalin (By similarity). [UniProtKB/Swiss-Prot Function]