

## Product datasheet for **SC109899**

### ZNF41 (NM\_153380) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF41 (NM_153380) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF41
Synonyms:	MRX89
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_153380, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCTAATGGGGACTCTCCCCATGGTCCCGGCCCTGGCTGCAGAGGGACGTGGCAGCTCATGTG
AGGCTTCAGTGTCAATTTGAGGACGTGACTGTGGACTTCAGCAAGGAGGAGTGGCAGCACTTGGACCTGC
CCAGAGACGCCTGTACTGGGATGTGACACTAGAGAACTACAGCCACCTGCTCTCAGTGGGGTACCAAAAT
CCCAAGTCAGAGGCTGCCTTCAAGTTGGAGCAAGGAGAGGGGCCATGGATGCTGGAGGGGAAGCCCCAC
ATCAGAGCTGTTCAAGGTAGGCTATTGGGAAAATGCAGCAACAGGGAATCCTGGAGGAATTTCTTCCA
CTGTGAGAGATTTGATCAACCCATAGGAGAAGATTATTATGTTCTATTTTAGAAGAAGTGTGGCAAGAT
AATGACCAGCTAGAGCAACGTGAGGAAAACAGAAATAACCTTTTAAAGTCATGTGAAAGTATTGATTAAGG
AGAGGGGCTATGAACATAAAAACATTGAAAAATAATTCATGTGACTACCAAGCTTGTTCCTTCAATTA
AAGACTCCATAACTGTGACACAATTTTGAAGCATACTTTAACTCACATAATCATAATAGA AACAGTGCA
ACAAAGAACCTTGGCAAGATTTTGGAAATGGTAACAATTTCCCCATAGCCCTTCTCTACTAAGAAATG
AGAATGCTAAAACAGGAGCAAATTCCTGTGAACATGACCCTATGAAAAACATCTCAGCCACAAAACAGC
TCCACCACCACATCAGAAAATTCATCCTGAGGAGAAGCTTTATGTGTGTACTGAATGTGTAAATGGGCTTC
ACTCAGAAGTCACATCTGTTTGGAGCATCAGAGAATTCATGCTGGAGAAAAGTCCCGTGAATGTGACAAAA
GCAACAAAGTCTTCCCCAGAAAACCCAGGTTGATGTACATCCAAGTGTATACAGGAGAAAAACCCCTA
TCTGTGTACTCAATGTGGGAAAGTCTTTACCCTCAAATCAAACCTCATTACACATCAAAAAATTCATACC
GGGCAGAAAACCCACAAATGCAGTGAATGTGAAAAGCCTTTTCCAGAGATCAGACCTCTTTAGACATC
TGAGAATTCATACAGGAGAAAAACCTTATGAATGCAGTGAATGTGAAAAGGCTTCTCCAGAACTCAGA
CCTCAGTATACATCAGAAAACCTACACCGGAGAGAAAACACTATGAATGCAATGAATGTGGAAAGGCTTTC
ACAAGAAAATCAGCACTCAGGATGCATCAGAGAATCCACACGGGAGAGAAAACCTTATGTATGCGCTGACT
GTGGGAAGGCCTTCATCCAGAAAATCACATTTCAACACACATCAGAGAATTCATACTGGAGAAAAGCCGTA
TGAATGCAGTGTACTGTGGGAAATCCTTCACTAAGAAGTCACAACCTCCATGTGCATCAAAGAATTCACACC
GGAGAGAAAACCTATATATGTACAGAAATGTGAAAAGGCTTCACTCACAGGACAAAACCTCACCACACATC
AGAAAACCTACTACTGGGAAAAACCCCTATATGTGTGCTGAATGTGAAAAGGCTTTTACTGACCAGTCAAA
TCTCATTAAACACCAGAAAACCTCACACTGGAGAGAAAACCTATAAGTGAATGGCTGTGGAAAAGCCTTC
ATATGGAAGTCGCGCCTCAAAAATACATCAGAAAATCTCATATTGGAGAGAGACACTATGAATGCAAGGACT
GCGGGAAGCCTTCATCCAGAAAATCAACACTAAGCGTGCATCAGAGAATCCATACAGGAGAGAAAACCGTA
CGTTTGTCTGAATGCGGGAAGGCTTTATCCAGAAAATCGCACTTCATTGCGCATCATAGAATCCATACT
GGAGAGAAAGCCTTATGAATGCAGCGACTGTGGGAAATGCTTCACTAAGAAGTCACAACCTCCGTGTGCATC
AGAAAATCCACACAGGTGAGAAGCCCAATATATGTGCTGAATGTGAAAAGGCTTCACTGACCGATCAAA
TCTCATAACACATCAGAAAATCCACACTAGGGAGAAAACCCCTATGAATGTGGTGTACTGCGGAAAACCTTC
ACCTGGAAGTCACGCCTCAATATACATCAGAAATCTCATACTGGAGAAAAGACACTATGAATGTAGTAAAT
GTGGGAAAGCTTTTATCCAGAAAAGCCACACTAAGTATGCATCAGATAATTCATACAGGAAAAGAACTTA
TGCTTGTACAGAAATGTCAGAAAGGCTTTACTGACAGATCGAATCTCATTAAACACCAGAAAATGCATAGT
GGAGAAAACCGCTATAAAGCCAGTGACTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_153380 unedited NGGGTGTCAACATTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGAGACG CCGAGTGTTCCTCCGACGCCGGCCGGGTCCAGGTCGGAATGTAGCCAGTGGGGCCGCCA GGGTTTCTTGGAGCCTCTGCAGAGTCTGGGGCCAGGCTTCTTAGTGAAACTGCAGGAT CTCCTTCTGACCCCTGCTTGCCTCGCCCCAGCAGCTCCGGTTGAGTCCACAGATGCCAG CTCAGTTCAGCTTGGGAAGAGTGGGTTGTGAGCAGGAGAGCCTGAGGGCTGAGGCC CAGCGTGAACATGGCAGCTAATGGGGACTCTCCCCATGGTCCCCGGCCCTGGCTGCAGA GGGACGTGGCAGCTCATGTGAGGCTTCAGTGTCATTTGAGGACGTGACTGTGGACTTCAG CAAGGAGGAGTGGCAGCACTTGGACCCTGCCAGAGACGCCTGTACTGGGATGTGACACT AGAGAACTACAGCCACCTGCTCTCAGTGGGGTACCAAATCCCAAGTCAGAGGCTGCCTT CAAGTTGGAGCAAGGAGAGGGGCCATGGATGCTGGAGGGGAAGCCCCACATCAGAGCTG TTCAGGTGAGGCTATTGGGAAAATGCAGCAACAGGGAATTCCTGGAGGAATTTTCTTCCA CTGTGAGAGATTTGATCAACCCATAGGAGAAGATTCATTATGTTCTATTTTAGAAGAACT GTGGCAAGATAATGACCAGCTAGAGCAACGTGAGGAAACCAGAATAACCTTTTAAAGTC ATGTGAAGTATTGATTAAGGAGAGGGGCTATGAACATAAAAACCTTGAANAAAATATTCAT GTGACTACCAAAGCTGNTCCTTCATTAAGACTNCATACTGTGACACATTTGAAGCATC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_153380
<b>Insert Size:</b>	3400 bp
<b>OTI Disclaimer:</b>	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>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_153380.1</a> , <a href="#">NP_700359.1</a>
<b>RefSeq Size:</b>	3406 bp
<b>RefSeq ORF:</b>	2340 bp
<b>Locus ID:</b>	7592
<b>UniProt ID:</b>	<a href="#">P51814</a>
<b>Cytogenetics:</b>	Xp11.3
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

This gene encodes a protein that contains KRAB-A and KRAB-B domains multiple zinc finger DNA binding motifs and finger linking regions characteristic of the Kruppel family. An initial study suggested that this gene may be associated with X-linked cognitive disability, but a later study has called this finding into question (PMID:23871722).[provided by RefSeq, Apr 2016]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.