

Product datasheet for **SC108812**

ZNF41 (NM_007130) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF41 (NM_007130) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF41
Synonyms:	MRX89
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_007130, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCTAATGGGGACTCTCCCCATGGTCCCCGGCCCTGGCTGCAGAGGGACGTGGCAGCTCATGTG
AGGCTTCAGTGTCAATTTGAGGACGTGACTGTGGACTTCAGCAAGGAGGAGTGGCAGCACTTGGACCCCTGC
CCAGAGACGCCTGTACTGGGATGTGACACTAGAGAACTACAGCCACCTGCTCTCAGTGGGGTACCAAAAT
CCCAAGTCAGAGGCTGCCTTCAAGTTGGAGCAAGGAGAGGGGCCATGGATGCTGGAGGGGAAGCCCCAC
ATCAGAGCTGTTCAAGGTAGGCTATTGGGAAAATGCAGCAACAGGGAATCCTGGAGGAATTTTCTTCCA
CTGTGAGAGATTTGATCAACCCATAGGAGAAGATTATTATGTTCTATTTTAGAAGAAGTGTGGCAAGAT
AATGACCAGCTAGAGCAACGTGAGGAAAACAGAAATAACCTTTTAAAGTCATGTGAAAGTATTGATTAAGG
AGAGGGGCTATGAACATAAAAACATTGAAAAATAATTCATGTGACTACCAAGCTTGTTCCTTCAATTA
AAGACTCCATAACTGTGACACAATTTTGAAGCATACTTTAAACTCACATAATCATAATAGA AACAGTGCA
ACAAAGAACCTTGGCAAGATTTTGGAAATGGTAACAATTTCCCCATAGCCCTTCTCTACTAAGAAATG
AGAATGCTAAAACAGGAGCAAATTCCTGTGAACATGACCCTATGAAAAACATCTCAGCCACAAAACAGC
TCCCACCACCATCAGAAAATTCATCCTGAGGAGAAGCTTTATGTGTGTACTGAATGTGTAAATGGGCTTC
ACTCAGAAGTCACATCTGTTTGGAGCATCAGAGAATTCATGCTGGAGAAAAGTCCCCTGAATGTGACAAAA
GCAACAAAGTCTTCCCCAGAAAACCCAGGTTGATGTACATCCAAGTGTATACAGGAGAAAAACCCCTA
TCTGTGTACTCAATGTGGGAAAGTCTTTACCCTCAAATCAAACCTCATTACACATCAAAAAATTCATACC
GGGCAGAAAACCCACAAATGCAGTGAATGTGAAAAGCCTTTTTCCAGAGATCAGACCTCTTTAGACATC
TGAGAATTCATACAGGAGAAAAACCTTATGAATGCAGTGAATGTGAAAAGGCTTCTCCAGAACTCAGA
CCTCAGTATACATCAGAAAACCTACACCGGAGAGAAAACACTATGAATGCAATGAATGTGGGAAGGCTTTC
ACAAGAAAATCAGCACTCAGGATGCATCAGAGAATCCACACGGGAGAGAAAACCTTATGTATGCGCTGACT
GTGGGAAGGCCTTCATCCAGAAAATCACATTTCAACACACATCAGAGAATTCATACTGGAGAAAAGCCGTA
TGAATGCAGTGTGTTGGGAAATCCTTCACTAAGAAGTCACAACCTCCATGTGCATCAAAGAATTCACACC
GGAGAGAAAACCTATATATGTACAGAATGTGAAAAGGCTTCACTCACAGGACAAAACCTCACACACATC
AGAAAACCTACTGGGAAAAACCCCTATATGTGTGCTGAATGTGAAAAGGCTTTTACTGACCAGTCAAA
TCTCATTAAACACCAGAAAACCTCACACTGGAGAGAAAACCTATAAGTGAATGGCTGTGGAAAAGCCTTC
ATATGGAAGTCGCGCCTCAAAATACATCAGAAAATCTCATATTGGAGAGAGACACTATGAATGCAAGGACT
GCGGGAAGCCTTCATCCAGAAAATCAACACTAAGCGTGCATCAGAGAATCCATACAGGAGAGAAAACCGTA
CGTTTGTCTGAATGCGGGAAGGCTTTATCCAGAAAATCGCACTTCATTGCGCATCATAGAATCCATACT
GGAGAGAAAGCCTTATGAATGCAGCGACTGTGGGAAATGCTTCACTAAGAAGTCACAACCTCCGTGTGCATC
AGAAAATCCACACAGGTGAGAAGCCCAATATATGTGCTGAATGTGAAAAGGCTTCACTGACCGATCAAA
TCTCATAACACATCAGAAAATCCACACTAGGGAGAAAACCCCTATGAATGTGGTGTGCTGCGGAAAACCTTC
ACCTGGAAGTCACGCCTCAATATACATCAGAAGTCTCATACTGGAGAAAAGACACTATGAATGTAGTAAAT
GTGGGAAAAGCTTTTATCCAGAAAAGCCACACTAAGTATGCATCAGATAATTCATACAGGAAAAGAACTTA
TGCTTGTACAGAATGTGAGAAGGCTTTACTGACAGATCGAATCTCATTAAACACCAGAAAATGCATAGT
GGAGAAAACCGCTATAAAGCCAGTGACTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_007130 unedited</p> <pre> ACAATTTGTAATACGACTTACTATAGGGCGGCCGCGCATTCCGGCAGGAGGGGGCACCAC CAGGTGTAATTTGGGCGAGCGGCCGCTTCGGAGCTGACACTAAGCATGTGCAGATCAAG TCCAGAAGCGCCGGGTTCTCGAAGCAGTTTTTCAGGACTTAAGGCTCTGGGACATCCAG CACAGTGAGCGGCCCTGGGCACCACGAAAAACATTTGGGGTGAACGTGGAGTGATGA CCATGTGGACACTGTCTTCCAGGGTTTCTGGAGCCTCTGCAGAGTCTGGGGCCAGGC TTCTTAGTGAAACTGCAGGATCTTCTTCTGACCCCTGCTTGCCTCGCCCCAGCAGCTC CGGTTGAGTCCACAGATGCCAGCTCAGCTTCCAGCTTGGGGAAGAGTGGGGTTGTAGCA GGAGAGCCTGAGGGCTGAGGCCAGCGTGAACATGGCAGCTAATGGGGACTCTCCCCAT GGTCCCCGGCCCTGGCTGCAGAGGGACGTGGCAGCTCATGTGAGGCTTCAAGTGTCAATTTG AGGACGTGACTGTGGACTTACAGCAAGGAGGAGTGGCAGCACTTGGACCCTGCCAGAGAC GCCTGTACTGNGATGTGACACTAGAGAATAACAGCCACCTGCTCTCAGTGGGGTACCAA TTCCCAAGTCAGAAGCTGCCTTCAAGTTGGAGCAAGGAGAGGGGCCATGGATGCTGGAGG GGGAAAGCCACATCAGAGCTGTTCAAGTGAGGCTATTGGGAAAATGCAGNCACAGGNAA TTNCTGNNAGAAATTTCTCCACTGTGAGAGATTTGATCAACCATATGAGAAGATCATATG TTCTATTTAGAAGAACTGTGCAGATATGACAGCTGAGCACGTGAGAAACCAGATACCTTT AGTCTGTGAAGTATGATTTAGANAGGGCTTGACATAAACATGTAAAATATTATGGACTAC AGCTGTTCTTATTA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_007130 unedited</p> <pre> NCGGTATCTATGNACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTATG ATATATGCATTTTCTGTATACATTATAGTTTAAATAAAAAGATTTAAAAATAAAATAAAA TACAATTGCATGCTAGAAAGAAAGTTCCCTTTTTATGAGTATTGTAATAAAATGTTTAAGGG AAAATGAGAACGTGTCTATATATCAGTGTAAAAAAGAGCAGTGCTCTTTCTTGAGAAGT CTTCCAGTTATTCAACTATGATAAACTGTAATTATGTCTTAGAATAACTAATTGCAATGC AACATGACTTTATCACATAGCAGTCTACACAAAACACCTTAATGTGCATGTAGGAAAT GAATATACCTTAACCAATAGGAAGAAAAACAAAATATTAGGAAGTAAACTCAATTTTT CAACCATTCTTTTTCAGGAAATCCCAAGGAAAGCAGGGGTGTTGGTGGGTTAGCCTGAAA ATCTAGAGTGCCGTGGATCAGTTCATTGTCGTAGGGTCAGTACTGAGGGAATCAGGAA TCTATGGCCTGCAGCTTATGCAAAATGACAGCTTTGGGGACATAGTTAGAAGGCATGCAT ACTTCTTATAGGGTATGACTCATCTGCTCTCCAGCAGGGAATTAATAATGAGACAACATA CTACCTTTATATGTCTGTATCATTCAATGACTATATTTCTGTAACATAGCCTAGAGCTAG GCCTAATTTCTCAATTCATAAAGTTATATCTTTAAATTTAAAAATTCATTGCACCTAAA ATATATATACCATGAGGACTTCCAAGGAAAAAGAAAAAGTTTTTCATGGAAATCTTTTC TATGTCTTAGTGCCAATGATCACAAAACAGATATCTGCATTCCCAAGTAAGTTTTCTGCC TN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_007130
Insert Size:	4200 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:

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_007130.1](#), [NP_009061.1](#)

RefSeq Size: 3172 bp

RefSeq ORF: 2340 bp

Locus ID: 7592

UniProt ID: [P51814](#)

Cytogenetics: Xp11.3

Domains: KRAB, zf-C2H2

Protein Families: 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 (1) represents the longest transcript. 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.