

Product datasheet for **SC320384**

ZNF821 (NM_017530) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF821 (NM_017530) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF821
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_017530.1
 CATCTTTTCCCCCTCCGTCTGTCTGTCTGTTGGCTTTGTCCGTCTGCAGCGCCGCC
 CCTCGGCTCCCCGCCACCGGCTCGGCTCGGCCCGAGCCCTTCCGCTCGCCGGGGCCCA
 GTCCCGGAGCGCCCCGGCCCGGCTGGCTTGGGCTGCGGTCCCGGGTCCATTGTCCGGCGG
 TCCGTCTGTCCGAGGCGGGGCCAGGGACCCAGAGCGCAGCGCAGCGCCGAGGCGCCGG
 ATACAGATCACTTGGATTCACTCGAGTTTGTCTTGTCCGTGGAACTGCACCAGAGCTG
 GAGGTTAGCATCTTGAAGGAGGTAGTAACATATCCAGTCGTGAACTGGGAAAGACCAG
 AGCTCTTGCATCAGGGAACATGTCCCGTCGGAACAGACAAATCCAAATAAAGTTCACT
 GTGACAGTGAGGGTGATGAAGAGGAGACGACACAAGATGAAGTCTCTTCCACACATCAG
 AGGAAGATGGAGGGTGGTCAAAGTGGAGAAAGAGTTAGAAAATACAGAACAGCCTGTTG
 GTGGGAACGAAGTGGTAGAGCACGAGGTACAGGGAATTTGAATTCTGACCCCTTGCTTG
 AACTCTGCCAGTGTCCCCTCTGCCAGCTAGACTGCGGGAGCCGGGAGCAGTTGATTGCTC
 ACGTGTACCAGCACACTGCAGCAGTGGTGAAGGCCAAGAGCTACATGTGTCTGTCTGTG
 GCCGGGCCCTTAGCTCCCCGGGGTCATTGGGTGCGCACCTTTAATCCACTCGGAGGACC
 AGCGATCTAACTGTGCTGTGTGTGGAGCCCGGTTACCCAGCCATGCCACTTTTAACAGTG
 AGAAATCTCTGAAGTACTAAATATGGAATCCCTACCCACAGTCCACAATGAGGGTCCCT
 CCAAGTGCTGAGGGGAAGGATATTGCCTTTAGTCTCCAGTGTACCCTGCTGGAATTCTGC
 TTGTGTGCAACAACTGTGCTGCCTACCGTAAACTGCTGGAAGCCAGACTCCAGTGATAC
 GCAAGTGGGCTCTACGTCGACAGAATGAGCCTTTGGAAGTACGGCTGCAGCGGCTGGAAC
 GAGAGCGCACGGCCAAGAAGAGCCGGCGGGACAATGAGACCCCGAGGAGCGGGAGGTGA
 GGCGCATGAGGGACCGTGAAGCCAAGCGCTTGCAGCGCATGCAGGAGACAGACGAGCAGC
 GGGCACGCCGGCTGCAGCGGGATCGGGAGGCCATGAGGCTGAAGCGGGCCAATGAAACCC
 CGGAAAAGCGGCAGGCCCGGCTCATCCGAGAGCGAGAGGCCAAGCGGCTCAAGAGGAGGC
 TGGAGAAAATGGACATGATGTTGCGAGCTCAGTTTGGCCAGGACCCTTCTGCCATGGCAG
 CCTTAGCAGCTGAAATGAACTTCTTCCAGCTGCCTGTAAGTGGGGTGGAGTTAGACAGCC
 AGCTTCTGGGCAAGATGGCCTTTGAAGAGCAGAACAGCAGCTCTCTGCACTGAACCACAC
 CCTCTGCCTGCCCTCCTTCCCACCTACCTACCCACCCACCCACCCACAGCCACGAGG
 ACCAGTGCTGCTGCCACCCACGAGGCCCTGTCTTGTGTCAGAGGCAGGCCTGGGTTTA
 TTGCAGGTGGACCTGAGCAGCCCTTGATATGGGAACAGGATGATGGGGTCAAGAGGGAC
 CTGGCTCAAGGCAGCTCTGGACAAGGGAGCAGGAGTCCAGAGAACTGGCCTCCCCAGCC
 CACTGCCACAGGCTGTGCTTCTAGGACTGTGGGGCCCTGTGTGGCCCATGAAGTTGTGA
 AGTCAATAAATTAATTTTATCTTTAAAAA

Restriction Sites: Please inquire

ACCN: NM_017530

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_017530.1, NP_060000.1</u>
RefSeq Size:	1841 bp
RefSeq ORF:	1113 bp
Locus ID:	55565
UniProt ID:	<u>O75541</u>
Cytogenetics:	16q22.2
Domains:	zf-C2H2
Gene Summary:	This gene encodes a protein with two C2H2 zinc finger motifs and a score-and-three (23)-amino acid peptide repeat (STPR) domain. The STPR domain of the encoded protein binds to double stranded DNA and may also contain a nuclear localization signal, suggesting that this protein interacts with chromosomal DNA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011] Transcript Variant: This variant (4) differs in the 5' UTR and lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. Variants 3 and 4 encode the same isoform (2), which is shorter than isoform 1.