

Product datasheet for **SC127727**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017530, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCGTCGGAAACAGACAAATCCAAATAAAGTTCAGTGTGACAGTGAGGGTGATGAAGAGGAGACGA
CACAAGATGAAGTCTCTTCCACACATCAGAGGAAGATGGAGGGGTGGTCAAAGTGGAGAAAGAGTTAGA
AAATACAGAACAGCCTGTTGGTGGGAACGAAGTGGTAGAGCACGAGGTCACAGGAATTTGAATTCTGAC
CCCTTGCTTGAAGTCTGCCAGTGTCCCTCTGCCAGCTAGACTGCGGGAGCCGGGAGCAGTTGATTGCTC
ACGTGTACCAGCACACTGCAGCAGTGGTGAGCGCAAGAGCTACATGTGTCTGTGTGCCCGGGCCCT
TAGCTCCCCGGGGTCATTGGGTGCGCACCTCTTAATCCACTCGGAGGACCAGCGATCTAACTGTGCTGTG
TGTGGAGCCCGGTTACACAGCCATGCCACTTTTAACAGTGAGAACTTCCTGAAGTAAATATGGAAT
CCCTACCCACAGTCCACAATGAGGGTCCCTCCAGTGCTGAGGGGAAGGATATTGCCTTTAGTCCTCCAGT
GTACCCTGCTGGAATTCTGCTTGTGTGCAACAAGTGTGCTGCCTACCGTAACTGCTGGAAGCCAGACT
CCCAGTGTACGCAAGTGGGCTCTACGTCGACAGAATGAGCCTTTGGAAGTACGGCTGCAGCGGCTGGAAC
GAGAGCGCACGGCAAGAAGAGCCGGCGGGAATGAGACCCCGAGGAGCGGGAGGTGAGGCGCATGAG
GGACCGTGAAGCCAAGCGCTTGACGCGCATGCAGGAGACAGACGAGCAGCGGCACGCCGGCTGCAGCGG
GATCGGGAGGCCATGAGGCTGAAGCGGGCAATGAAACCCCGAAAAGCGGCAGGCCCGGCTCATCCGAG
AGCGAGAGGCCAAGCGGCTCAAGAGGAGGCTGGAGAAAATGGACATGATGTTGCGAGCTCAGTTTGCCA
GGACCTTCTGCCATGGCAGCCTTAGCAGCTGAAATGAACTTCTCCAGCTGCCTGTAAGTGGGGTGAG
TTGACAGCCAGCTTCTGGCAAGATGGCCTTTGAAGAGCAGAACAGCAGCTCTCTGCACTGA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017530 unedited GTCAATTTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGTCTGCTGTTGG CTTTGTCCGTCTGCAGCGCCGCCCTCGGCTCCCCGCCACCGGCTCGGCTCGGCCGGAG CCCCTTCCGCTCGCCGGGGCCAGTCCCGGAGCGCCCGNCCGGCTGGCTTGGGCTGCG GTCCCGGGTCCATTGTCCGGCGGTCCGTCTGTCCGGAGGCGGGGCCAGGGACCCAGAGC GCAGCGCAGCGCCGAGGCGCCGATACAGATCACTTGGATTAGTCGAGTTTGTCTTGTCT CCGTGGGAAGTGCACAGAGCTGGAGGTTAGCATCTTGCAAGGAGGTAGTAACATATCCA GTCGTGAAACTGGGAAAGACCAGAGCTCTTGATCAGGGAAACATGTCCCGTCGGAAACA GACAAATCCAAATAAAGTTCAGTGGGATCAAGTATTTGCTGGGCTAGAAGAGCAAGCCCG CCAGGCGATGATGAAACTGATTTTCTGGAGACCTTGGCAGTCAGCGACAAGCTATCCA ACAACTNAAGAGATCAGGACTCCAGTAGCAGTCACAGGAATTTGAATTCTGACCCCTTG CTTGAAGTCTGCCAGTGTCCCTCTGCCAGCTAGACTGCGGGAGCCGGGAGCAGTNTGAT TGCTCACGTGTACCAGCACACTGCANAGTGGTGAGCGCCAGAGCTACATGTGCTCTGTC TGTGGGCGGGCCCTTACTCCCCCGGGTATTTGGGTGCGCCACCTTCTAAATCCACTCG GAGACCAGCGATCTACTGTGCTGGGGGGGAACCCGGGTCACCAGCCATGCACTTTTAA CAGTGAGAACTTCCTTGAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_017530 unedited TTTTTTTTTTTTTTTTTAAAGATAAAATTAATTTATTTGACTTCACAACCTCATGGGCCA CACNAGGGGCCCCACAGTCTAGAACACAGCCTGTGGCAGTGGGCTGGGGAGGCCAGTT CTCTGGACTGCCTGTCCCTTGTCCAGAGCTGCCTTGAGCCAGGTCCTCCTGACCCCAT CATCCTGTTCCCATATGCAAGGGCTGCTCAGGTCCACCTGCAATAAACCCAGGCCCTGCCT CTGGCAGCAAGGACAGGGCCTCGTGGGTGGCAGCAGCACTGGTCTCGTGGCTGTGGGTG TGGGTG
Restriction Sites:	NotI-NotI
ACCN:	NM_017530
Insert Size:	1920 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:	<u>NM_017530.1</u> , <u>NP_060000.1</u>
RefSeq Size:	1841 bp
RefSeq ORF:	1113 bp
Locus ID:	55565

UniProt ID: O75541

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.