

Product datasheet for **SC108372**

ZNF491 (NM_152356) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF491 (NM_152356) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF491
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152356, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGAGAGACTCTTTGAGAGTGCAGAAGGTAGTCAGTGTGGAGAACTTTCACCCAGGTTCCGGAAG
ACATGCTGAACAAGAAAACCTCTTCCTGGAGTAAATCATGTGAAAGTGGTACATGTGGAGAAATCTTCAT
GGGATATTCATCCTTTAATAGGAACATCAGAACTGACACTGGACACCAACCACATAAGTGTGAGAAATTT
TTAGAGAAGCCATATAAACATAAACAACGTAGGAAAGCCTTGAGCCATAGCCACTGCTTTCGAACACATG
AAAGGCCTCAGACTAGAGAGAAACCTTTTGATTGTAAGGAATGTGAAAAATCTTTCATTTCTCCTGCAAG
CATTGTAAGATATATGGTAACGCACAGTGGAGATGGACCTTATAAATGTAAGTTTGTGGGAAAGCCTTG
GATTGTCTCAGTTTATACCTTACCCATGAACGAACTCAGACTGGAGAGAAACGATATGAATGTAACAAT
GTGGTAAAGCCTTCAGTTGGCAGAGTTCTGTTTCAATCCATGAAAGAACTCAGACTGGGAGAGAGCCATA
TGAATGTAAGGAGTGTGGGAAATCATTCAATTTTTCCAGTTCCTTTCGCAGACATGAAAGGACACACACA
GGAGAGAGAGCCGTACAAATGTAAGGAATGTGGGAAAGCCTTCAATTGTCCAGTTCTTTTACAGGCATG
AAAGGACTCACACAGGAGAGAAAAACCTATGAATGTAACTATATGGGAAAGCATTATCTCGCCTTATAAG
CTTTCGAAGACACATGAGAAATGCACACTGGAGAGAGGCCTCATAAATGTAAGATATGTGGGAAAGCCTTT
TACTCTCCAGTTCATTTCAAAGGCATGAAAGAAGTCAGACTGGAGAGAAACCTACAAATGCAAGCAAT
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TGGGTGTAAGCAATGTGGGAAAGCCTTCAGATCTGCCAAGTACATTGCAATACATGGAAGGACTCAGACT
GGTGAGAAACCTATGAATGTAAGCAATGTGGGAAAGCATTTCATTGTGTGAGCTCTTTTCATAGACATG
AAAGGACTCACGCTGGAGAAAAACCTTATGAATGTAAGCATTGTGGGAAAGCCTTCACTTGTTCATATA
TATTAGAATACATGAAAGAATTCAGACTGGAGAGAAACCTTACCAATGTAAGGAATGTGGGAAAGCCTTC
ATTCGTTCCAGTTACTGTGCGAAAACATGAAAGAACTCAGACTATTAATATATGA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152356 unedited
 NGGGGTCCACATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCAACCA
 CATAAGTGTGAGAAATTTAGAGAAGCCATATAAACATAAACACGTAGGAAAGCCTTGA
 GCCATAGCCACTGCTTTTGAACACATGAAAGGCCTCACACTAGAGAGAAACCTTTTGATT
 GTAAGGAATGTGAAAAATCTTTTCTCTGCAAGCATTGAGATATATGGTAACGC
 ACAGTGGAGATGGACCTTATAAATGTAAGTTTTGTGGAAAGCCTTGGATTGTCTCAGTT
 TATACCTTACCCATGAACGAACTCACACTGGAGAGAAACGATATGAATGTAACAAATGTG
 GTAAAGCCTTCAGTTGGCACAGTTCTGTTGCAATCCATGAAAGAACTCACACTGGGGAGA
 AGCCATATGAATGTAAGGAGTGTGGGAAATCATTCAATTTTTCCAGTTCTTTTCGCAGAC
 ATGAAAGGACACACAGGAGAGAAGCCGTACAAATGTAAGGAATGTGGGAAAGCCTTCA
 ATTGTCCCAGTTCTTTTACAGGCATGAAAGGACTCACACAGGAGAAAAACCTATGAAT
 GTAACTATATGGGAAAGCATTATCTCGCCTTATAAGCTTTGAGACACATGAGAATGC
 AACTGGAGAGAGCCTCATAAATGTAAGATATGTGGGAAAGCCTTTACTCTCCCAGTT
 CATTTCAAAGGCATGAAAGAAAGTCACTGGAGAGAAACCCCTACAATGCAGNNCATGTG
 GAAAGCCTTCAGTTGTTCCACTTCGTTTCATATCATGAAAGGACTCACACTGGAGAGAAA
 CCAGATGGGTGTAGCAATGTGGGAAGNCTTCAGATCTGCAAGTACATTGCAATACATG
 GAAGGACTCACACTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152356 unedited
 TATGGACGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTCTGTTGA
 CAAGGGATATTTAATAGAGCTTCTCAGTATACAAAAAAGAGAAAAACATTTGCAAGT
 ACACAACTGAAAAACAGTGAATAAACCTTTTTTTTTTTTTTTTGGACAGAGTATTGCTCT
 CTTGTCCAGGCTGGAGTACAGTGGCGTGAATCTTGGCTCACTGCAACCTCCACCTCCCAG
 GTTCAGGAGATTCTCCTGCCTCAGCCTCCGAGTAGCTGGGATTACAGGTATCCACCACC
 ACACCCGCTAACTTTGGTACTTTTAGTAAAGATGGGGTTTCACTGTGTTGGCCAGGCTA
 GTCTCAAACCTCCTGACCTCGTGATCCGCCACCTCGGCCTCCCAAAGTGTGGGTTTACA
 GGCATGAGCCACTGCACCCAGCTGAATAAACTATTTTTAAGAAATATGTACAGAAATCTT
 TGCTCCCTCAAAAATACACATTGTCAATCACATATAATCAAAGATAACTGAAATGAACT
 GAGGCATTACATTCTCCTGTGGATAACAGGAAACACTGGACATTTCTGACCAGAGCAAG
 GTGTTCTTCTCACATGAGAGTCTGGATGAGACCAGTCACTGCACAGGGCAGCAGAGCT
 CTCATCAAGTTGGTTCTGATGGCAGCATAGTAGCTGTGAGGCTGAATCAAGACAAGGTC
 CTACCAGCAGGAACAAAGGTGCATGTGAACAAATACACCTCTACCAACTCAGTCTGCAG
 ACTAAGGGAGTTGAGCATCAAAGAACATTTCCACCCTGACAGTCTGCATATCTCTCTGG
 TTGTACATTACATCCTTAAGAAAAACCAACTGTGATAGAAGTTGATGTGGACTTTGGGGA
 CCCTTTTGGAACTCCCCTTTTAAAAAGGAATCAAAGATTTGAGATACTCTTTTGGCAGCC
 CAAATCCGAAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_152356

Insert Size:

2250 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_152356.1, NP_689569.1</u>
RefSeq Size:	2823 bp
RefSeq ORF:	2823 bp
Locus ID:	126069
UniProt ID:	<u>Q8N8L2</u>
Cytogenetics:	19p13.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]