

## Product datasheet for **SC320167**

### ZNF346 (NM\_012279) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF346 (NM_012279) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF346
Synonyms:	JAZ; Zfp346
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\_012279.2  
 GGTTTGCGGGGAAGATGGAGTATCCCGCGCCGGCCACGGTGCAGGCCGCGGACGGCGGAG  
 CGGCCGGGCTTACAGCAGCTCGGAGTTGCTGGAGGGCCAGGAGCCGGACGGGGTGCGCT  
 TTGACCGCGAGAGGGCGCGCCCTGTGGGAAGCCGTGTCCGGTGCCAGCCGGTGGGTA  
 GAGAGGAAGTGGAGCACATGATCCAGAAGAACCAATGTCTTCCACCAACACCCAGTGTA  
 AGGTTTGTGCGCCTTGCTTATTTCTGAGTCCCAGAAGCTGGCACATTACCAGAGCAAAA  
 AACATGCCAACAAAGTGAAGAGATACCTAGCAATCCATGGAATGGAGACATTAAGGGGG  
 AAACGAAGAAGCTAGACTCAGATCAGAAGAGCAGCAGAAGCAAAGACAAGAACCAGTGCT  
 GCCCATCTGTAAACATGACCTTTTCCCTCCCTGTCGTGGCCAGTCGCACTACCTGGGGA  
 AGACCCACGAAAGAACTTAAAGCTGAAGCAGCAGTCCACTAAGGTGGAAGCCTTGACC  
 AGAATAGAGAGATGATAGACCCAGACAAGTTCTGCAGCCTCTGCCATGCAACTTTCAACG  
 ACCCTGTCATGGCTCAACAACATTATGTGGCAAGAAACACAGAAAACAGGAGACCAAGC  
 TCAAATAATGGCAGCTATGGGCGCTGGCGGACCCTGCTGCTACTGACTTTCCAGCTG  
 GAAAGGGTACCCTGCAAAACATGTAAGATAGTGTGACTCCATAGAACAGTACCAAG  
 CTCATGTCAGCGCTTCAAACACAAGAACCAGTACCAAAAACAGTGGCATCATCCCTGG  
 GCCAGATTCCAATGCAAAGGCAACCCATTAGAAAAGACTCAACCACCTTGGAAAGACTAGA  
 GGTGATTTGCCAGCATCCCATATTGGGCCAGCCATGAGCCAGCTTCCCGTGACTGCTC  
 AGCCCTTGGCTCCCTCTTGTCTGTTGTTCTACCAGGAAAGTACACGGGCTGAGGCAGG  
 ATTGGGCCACAGACAGCCTCTCATTGGTCCGGGCTAATCACTCTGCTGCTCCCTTTG  
 GCAGGGGTCTGTAGGTCATGACAGGGGAGGCAAGGGTATTGAGAGACTCGGGGTCTCGT  
 GGGGTGGTAGTTTGGAGGGTGGCTTTCCCATTTCCCAACCCCTGCGGCTTAGGTGCT  
 GAGGCCCTGCCACCTGTCTTCCCTCTAAAGTCAAGTTTGGGCCAGTTCTTGAACATAA  
 AGAGCAGAGATCTCTGCGCCCTAGACATTTCCAGCAAAACCTGGAACCTTTCATGCCAA  
 ACCTGGGCGAGGCAAGGAAACAGAGGAAATGGCTGCAACATGGGAGCTTGGAGCTAATAC  
 GACTCTGCCTTCCCCAGAAGGTGCAGGCTTCTGAGTCTTAGACCAGATATGGCCA  
 GTTGCGCAGGTTTCTGCCAACTGTGAAGTATCCTCCTGGAGCAGTGACACAATCTGGCG  
 GAGCATTGCTACCCCGCTGCCCTCCACAGTTCCTGAATGGTGCTAAGGATCTGCAGC  
 AGTTGGCAACGAGCTGGGGTGGGGCGGCTCCATGTCCACTGAGATCATAGGACTC  
 CAATGGGATGGACCTTCCCTCCTCCATCAGAGGTGCTGACCCTAGGTTACACGG  
 GAAAGTGCCCCACATGCAAGTCTCCCTGAGGGTCTGCCCTAAAGGCAGACTGCCTCAT  
 GCCCGTAGCTGTGAGGTTTCTGCTACCCTCGGCCCTACTAGCCCTCTTCCCTTGG  
 TGCAGCGGACCATTGCCAGTTTGTGTGGTGTAGCCTTCCCATCATCCACCGGGTG  
 ATTTCTGGGTCCCAGGAAAGAAAGAGAGAGCTGATGCAGGTTTCTACAGTGAGGAACAG  
 GCGTTTCCAGGCCCCACCCAGATTTCTCTATCTTTGCTGTGTTTATGGCCTGGGAC  
 TGAGTCCACACGGATAGATTTTTCTTGTAACTTGAGACGAGAATCCAAGGAGTGCA  
 CCATCAGAGGCTTCTTCTTATTGTGCAAGAAGCCCCTAGCTGCTCTCGTGGCTCCTT  
 CCCCCACTCCCTATCCCTCACCTGTGAAATGCCTTTGCTTTGCATATTGTGTGGATG  
 TGT  
 ATGCTCTGTCTTGGTCACTGAAGCATCCAAATAAAGAATTTCCCTCATGGGCCAGACT  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_012279  
**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).

<b>OTI Annotation:</b>	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.
<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_012279.2</a> , <a href="#">NP_036411.1</a>
<b>RefSeq Size:</b>	3089 bp
<b>RefSeq ORF:</b>	885 bp
<b>Locus ID:</b>	23567
<b>UniProt ID:</b>	<a href="#">Q9UL40</a>
<b>Cytogenetics:</b>	5q35.2
<b>Domains:</b>	ZnF_U1, zf-C2H2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a nucleolar, zinc finger protein that preferentially binds to double-stranded (ds) RNA or RNA/DNA hybrids, rather than DNA alone. Mutational studies indicate that the zinc finger domains are not only essential for dsRNA binding, but are also required for its nucleolar localization. The encoded protein may be involved in cell growth and survival. It plays a role in protecting neurons by inhibiting cell cycle re-entry via stimulation of p21 gene expression. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>