

## Product datasheet for **SC108510**

### ZFP37 (NM\_003408) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP37 (NM_003408) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFP37
Synonyms:	zfp-37; ZNF906
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108510 sequence for NM\_003408 edited (data generated by NextGen Sequencing)

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ATGTCGGTCTCCAGCGCGTCCAGATTCTGACAAAGCCAGAGACCGTGGACCGGAGGAGA
AGTGCGGAAACGACCAAAGAGGCCGGCGGACCCTGGAGATGGCTGTGTCCGAGCCCGAG
GCCAGCGCCGCGGAATGGAAGCAACTGGATCCTGCTCAGAGCAACCTGTATAATGATGTG
ATGCTGGAGAAGTACTGCAACCAAGCCTCAATGGGGTGTCAAGCTCCCAAACCAGACATG
ATCTCCAAGTTGGAAAAAGGAGAAGCACCATGGTTGGGGAAGGGAAAAAGACCCAGTCAA
GGTTGTCCAAGTAAAAATAGCAAGACCCAAGCAAAAAGAAACTGATGGAAAAGTCCAGAAA
GATGATGACCAGCTTGAATAATCCAGAAATCTCAAAACAAACTCCTCAGGGAAGTTGCA
GTCAAGAAGAAAACCTCAAGCTAAGAAGAATGGCAGTGACTGTGGTTCACTGGGAAAAAAA
AATAATTTGCATAAAAAACATGTTCTTCAAAGAAAAGGCTTCTTAAATTTGAGTCATGT
GGAAAAATTTTGAACAGAAATTTAGATTTACCTGATCACTCAAGAAACTGTGAAAAAGG
AAATCTGATGCAGCTAAGAACAACAAGAAGTCATTCAACCATAGCTTATCTGATAACAAGG
AAAGGCAAAAAGCAAACCTGGAAAAGAAACATGAGAAATTATCCAGCCATAGCTCATCTGAT
AAGTGTAACAAAACCTGGCAAAAACATGACAAATTATGCTGTCAAGTTCATCCCATATT
AAACAGGACAAAATTCAAACTGGAGAGAAACATGAGAAATCACCCAGCCTTAGCTCATCT
ACTAAGCATGAAAACCTCAAGCTTGTGTGAAACCCTATGAATGTAATCAATGTGAAAAG
GTTCTCAGCCATAAAACAAGGACTCATTGACCATCAGAGAGTTCATACTGGGGAGAAAACCA
TATGAATGTAATGAATGTGGGATAGCCTTTAGCCAAAAGTCACACCTTGTGTACATCAG
AGAAGTCAACCCGGAGAAAAACCATATGAATGTATTCAAGTGTGGCAAAGCCCATGGTTCAT
AAACATGCACTCACTGACCATCTAAGAATTCATACTGGAGAAAAGCCCTATGAATGTGCT
GAATGTGGGAAAACCTTCAGACACAGCTCAAACCTTATTCAACATGTGAGATCTCACACA
GGTGAGAAGCCATATGAATGTAAGGAATGTGGGAAGCTTTTAGGTATAACTCATCTCTT
ACCGAACATGTGAGAACACATACAGGTGAAATACCATATGAATGCAATGAATGTGGAAAA
GCCTTTAAGTATAGCTCATCCCTTACTAAACACATGAGAATTCATACAGGTGAGAAAACCC
TTTGAATGTAATGAATGTGGGAAAGCTTTCAGCAAGAAGTCACACCTCATTATACATCAA
AGAAGTCACTAAGGAGAAACCTTATAAATGTAATGAGTGTGGAAAAGCCTTTGGACAT
AGCTCATCTCTTACTTACCATATGAGAAGTACATACAGGTGAAAGTCCCTTTGAATGTAAT
CAATGTGGGAAAGGCTTTAAACAAATTGAAGGCCTTACTCAACATCAGAGAGTTCATACT
GGAGAGAAACCGTATGAGTGAATGAATGTGGGAAAGCCTTTAGCCAAAAGTCTCACCTC
ATTGTACATCAGAGAAGTCACTGAGGAGAAACCTTATGAATGTAACGAATGTGAAAAA
GCCTTTAATGCAAAATCACAGCTTGTATACATCAGCGATCCCACACTGGAGAAAACCC
TATGAATGTAATGAATGTGGGAAAACCTTTCAAACAAAATGCATCCCTAACCAAACATGTG
AAAACCTATTCAGAAGATAAATCTCATGAGTGA
```

Clone variation with respect to NM\_003408.1

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003408 unedited  
 TTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCGCTAAGGCCGCC  
 TCCGGGTAGCCGCCATGTCGGTCTCCAGCGGCGTCCAGATTCTGACAAAGCCAGAGACCG  
 TGGACCGGAGGAGAAGTGCGAAACGACCAAAGAGGCCGGGCGACCCTGGAGATGGCTG  
 TGTCCGAGCCCGAGGCCAGCGCCGCGGAATGGAAGCACTGGATCCTGCTCAGAGCAACC  
 TGTATAATGATGTGATGCTGGAGAATACTGCAACCAAGCCTCAATGGGGTGTCAAGCTC  
 CCAAACAGACATGATCTCCAAGTTGAAAAAGGAGAAGCACCATGGTTGGGAAGGGGA  
 AAAGACCCAGTCAAGTTGTCCAAGTAAATAGCAAGACCAAGCAAAAAGAACTGATG  
 GAAAAAGTCCAGAAAGATGATGACCAGCTTGAAAAATATCCAGAAATCTCAAAACAACTCC  
 TCAGGGAAGTTGCAGTCAAGAAGAAAACTCAAGCTAAGAAGAATGGCAGTGACTGTGGTT  
 CACTGGGGAAAAAATAATTTGCATAAAAAACATGTTCTTCAAAGAAAAGGCTTCTTA  
 AATTTGAGTCATGTGGAAAAATTTGAAACAGAATTTAGATTTACCTGGATCACTCAAGA  
 AACTGTGTAAAAAGGAAATCTGATGCAGCTAAGAACACAGAAGTATTCAACCATAGCT  
 TATCTGATACANGAAAGCAAAAAGCAAACCTGGAAAGAACATGAGAAATATCCAGCCA  
 TAGCTTCACTGATAAGTGTAAACANAACCTGGCAAAAACATGANCAATTATGCTGGNCATA  
 GNTCATCCCATATTAACAGGACAAAATCAACTGGGAGAGAACATGAGNAATCACCCAN  
 CCTTACT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003408 unedited  
 GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTGATTTATGCATATTA  
 ATTTAATTATAAAAATAATACATGTGCATGATTTAAAAATCCAAATATACAAGGAAGTC  
 TTGCTCCTATCCTAGACCCAGTCTATACTCCTCTGCCAATGGCAACCACCATGAAGT  
 TTATTCTGATTTTTTCAAAGTCTATTCACATACAGATACATGTATATATGCATACAAAG  
 ATACATACACATACAGAGATAAGAGACAGAGGTTAAACAAACATACCCTTTTGTACACAA  
 AGGGGAACATACTATATACATGGTTCAGCAACCTACTTTTTACACTTCAATATATCT  
 TGAATATCGCTCCCTACCAGCACATTTGTATCCTCAGTGCTTTATTTCTCTCATTTTT  
 CTGTTAACATTTTTTACATATATAACAACCTTTTTAAAAAGATTTCTGCTGATGCAGAAG  
 CCAACACAGACATTAAGAAAGAGCTGGGTGAAAATGTCAAAGAGGCTTATACAGATGGCC  
 ACACTCATTTACATAAGGCAATAAACAGATATGCAAATCAACTTAATATATGGTGCTT  
 AAGTCAAAAACAAGAAGAAACACAGGAAGTGTCAAGATATATAACTTGTCTCCATTGC  
 TTTGAATATTCAAATAATTCACAATTTTTAAAGCTTTCAATTTCAATCTGAACATGTAGA  
 TCATTTATAATAATTGAGTAGTTAAAACAATTTTTTTATAAAAAAGCTTTGTATCAAGTT  
 TAAACCCTTGTTCATCCACTGATTCTATATGAAGAATCCATTTCAAAGTTTCTCATGT  
 ACAACAAGGTGTGACTCTGCTAAAGGCTTCTAACACTCTAAAATCAGCATATTCCAA  
 GTTCAACAACCTTAAATTAGTTAACAAATTTCCACATTAACCTCACCTCATGAGATTATC  
 TTCTGAATGAGTTTCACATGGTGGGTTAGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003408

**Insert Size:**

2780 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).

<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_003408.1</a> , <a href="#">NP_003399.1</a>
<b>RefSeq Size:</b>	2752 bp
<b>RefSeq ORF:</b>	1893 bp
<b>Locus ID:</b>	7539
<b>UniProt ID:</b>	<a href="#">Q9Y6Q3</a>
<b>Cytogenetics:</b>	9q32
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a transcription factor that belongs to a large family of zinc finger proteins. A similar protein in mouse is thought to play a role in regulating the structures of the nucleolus and centromere in neurons. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the coding region compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>