

Product datasheet for **SC106184**

ZNF93 (BC020837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF93 (BC020837) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF93
Synonyms:	HPF34; HTF34; TF34; ZNF505
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC020837, the custom clone sequence may differ by one or more nucleotides

```

GTCTCTCGGTGCAGCCGGAGCTCCAGGTCTCCTCTTCACTACTCTGTGTCTGTGCTCCTACAGGCCAG
CCTCTGTGGCCCTGTGACCTGCAGGATTGGGAGATCCACAGCTAAGACACCAGGACCCCTGGAAGCCTA
GAAATGGGACCATTGCAATTTAGAGATGTGGCCATAGAATTCCTCTGGAGGAGTGGCATTGCCTGGACA
CTGCACAGCGGAATCTATATAGGAATGTGATGTTAGAGAACTACAGTAACCTGGTCTTCCTTGGTATTGT
TGTCTCTAAGCCAGACCTGATCGCCCATCTGGAGCAAGGAAAAAACCTTTGACTATGAAGAGACATGAG
ATGGTAGCCAACCCCTCAGGTGCACGCCTGTTATCCAGCACTTTGGGAGCCAAGGTGGGTGGATCCCG
AGGTCAGGAGATCGAGACCATCTGGCCAACATGGTGAATCCCATCTCTACTAAGATACAAAAATTAGC
CAGGCATGGTGGCCCATGCCTGTAGTACGAGCTACTCGGGAGGTTGAGGCAGGGGAATCACTAGAACCCA
GGAGGCACTCCAGCCTGGGAGACAGAGTGAGACTCCATCTCAAAATATATATATATTTCCAAATATTCAG
TTTGGTCTTATTATATTGACATTGTTATGCAACATATCACTAGAGTGTTTTTATCTTGCAAAGCTAAAT
CTCAGTACACAGTAAATAACTACCAATCCTTTGTATTTTGTGGTCTTTTCAAACACCACTCTGTTTTCT
GTTTCTAAGAGTATAACTGCTTTATATATCTCATCCAATCTCTGTCTTTTTCGGCTGGTCACTTTATT
TTGCATAATGTCATCAATATTTATCTTAATAGTTGTTACAGATTTTCTGCTTTTTGAAAACCTGAGTGAT
AATTCCTGTACTTTTGTGCTACTGAATGATTTGGTGACACAAATTCGATTACTTTTACCTAGTGGCTT
GCAGTAACAATGCTACAATAATTATGTGAAAGTTAATGTAATATATTTGCTGCATTCTGTTTTATTAGTC
TACTTTTTACCTTTATACTCATACAAATTTTAAATCTGTAGCTTTTTGATGTGTTTTGAAATCAG
AAATGGTATTGCCTGTAACATTGTTCTGTTTTGAAAGATTGCTGGTACTTTATTGTCTGTTTGGATTC
CATATACTTTAAATTTGTTGTTTTATTTCTTTGAAAATGCTGTGAGTCATTTGAAAGACATTGCATTA
AATCTGTAGATTAATTTGAGCAGTAAAGACATCTCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC020837 unedited NTTTACACCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG CAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGC GAATTCGGCAGCAGGGTCTCCTCTTCACTACTCTGTGTCTGTGCCCTACAGGCCCAGC CTCTGTGGCCCTGTGACCTGCAGGTATTGGGAGATCCACAGCTAAGACACCAGGACCCT GGAAGCCTAGAAATGGGACCATTGCAATTTAGAGATGTGGCCATAGAATTCTCTGGAG GAGTGGCATTGCCTGGACACTGCACAGCGGAATCTATATAGGAATGTGATGTTAGAGAAC TACAGTAACCTGGTCTTCTTGGTATTGNTGTCTCTAAGCCAGACCTGATCGCCCATCTG GAGCAAGGAAAAAACCTTTGACTATGAAGAGACATGAGATGGTAGCCAACCCCTCAGTT ATATGTTCTCATTTTGCCCAAGATCTTTGGGCCGAGCAGAACATAACAAGATTCTTTTCCA AAAGTGATACTGAGAACAAGAAAAACGTGGACATGGAAATTTACCGTCAATACAAAGGC GTGCAAGTGTCTACATCTCCACTGTCCCCCCCCTCCGCCTCTACGCCAATCCCCTCT CCCCTCATCTTCCCCCCCCCCCACCACCTCTCCCCACCCACCCTCTACCCACTC CCTCTCTTCCCCTTCTTCTACTCCACCCTATTAACCTCTCACCTCCACCACCTCTCC CCCCCCCCCCTTCCCCCTCCATACTTTTCCCTTCTCTCTCTTCCCACCCTCC CCATCTCTCCCCCTCTCTCCGCCACGTCTATCTCACTTCTCTCTCCCCTCTCT TTCTATCTCGTCACTTTTCTTTTCTTTTATCATCTCTCTCTTTT
Restriction Sites:	NotI-NotI
ACCN:	BC020837
Insert Size:	3300 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:	<ol style="list-style-type: none"> 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:	BC020837.1
RefSeq Size:	1327 bp
RefSeq ORF:	1327 bp
Locus ID:	81931
Cytogenetics:	19p12
Domains:	KRAB
Protein Families:	Transcription Factors

Gene Summary:

Transcription factor specifically required to repress long interspersed nuclear element 1 (L1) retrotransposons: recognizes and binds L1 sequences and repress their expression by recruiting a repressive complex containing TRIM28/KAP1 (PubMed:25274305). Not able to repress expression of all subtypes of L1 elements. Binds to the 5' end of L1PA4, L1PA5 and L1PA6 subtypes, and some L1PA3 subtypes. Does not bind to L1PA7 or older subtypes nor at the most recently evolved L1PA2 and L1Hs. 50% of L1PA3 elements have lost the ZNF93-binding site, explaining why ZNF93 is not able to repress their expression (PubMed:25274305).[UniProtKB/Swiss-Prot Function]