

Product datasheet for **SC112490**

ZFP106 (ZNF106) (NM_022473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP106 (ZNF106) (NM_022473) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFP106
Synonyms:	SH3BP3; ZFP106; ZNF474
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022473, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGTGGGGAGAATTGAATGTCCTCATCTCCCTCTTTCCCTAGGGACATTAGTCATGAGTGCCGAG
TGTGCGGGGTACAGAAGTGGTCTTTCTGCATATGCAAAGCACATTTCTGGCCAGTTGCACAAAGATAA
CGTTGATGCCAGGAAAGAGAAGATGATGGAAAAGGAGAGGAAGAGGAAGAAGATTATTTTGACAAGGAA
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GGCCAAAGAGGTGCTACAGTGTCATGAGTCATTGCAAAATCCACTTCTTAGCACTTCTAAAAGTACCAGG
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 TCTCTGATATTTGGCGTTGTAGATCATTTAAAAACAACACTTGCTGACCGACCACACTAATCCCACTTCC
 AGACTCTGAAATGTCGCTGGAAGAACTGCGATGCTTTTTCTACTGCTAGGAAAGGATCCAAACAGGATGC
 TGCAGGACATATTGAACGACATGCTGAAGATGACAGCAAATTTGATTCATGA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_022473 unedited
 CTATTTGTAAACCATCACTATAGCGGCCGCGATTTCGGCACGAGGCATGGGTGTGCTCCA
 GAGCAACTTCTGCTTGTCTGAGCCCCCTGCCCTGCCCTCCCTTTACCATTGTTTCTCT
 GACAAGATTTTAAGTACAGCAATTCAAGAAGATTTCTCCTCCTAAACGACATTTATCTGA
 AGTCTATTGCCTCTTGATTGCTGAAAAAGAATCTTAAAATCATTTCAAAGTAACCTATA
 AACAACTTATTTAAAAGTGATGAAAGGAGCATTGAAATTAATTAGCACCAATTTTTCACT
 GTGCCAAAGTGTGCAAGTGCCTTCAGAGGAAACAATAACAGATCTGGTGAGTGTGCCATG
 CCAAGTGGGGAGAATTGAATGTCCCTCATCTCCCTCTTCCCTAGGGACATTAGTCATGAG
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 CAGTTGCACAAAGATAACGTTGATGCCAGGAAAGAGAAGATGATGAAAAAGGAGAGGAA
 GAGGAAGAAGATTATTTGACAAGGAACTATTAGTTAATAAAACAAAGGAAAGAACAA
 AGTCGACAAGATGAACCTTCCAATAGCAACCAAGAAATAAACTCTGATGACAGACGACCC
 CAATGGAGACGAGAAGACCGAATTCCTTACCAAGACAGAGAGATTACAGTCAGCCTGCA
 TGGCATCATCGTGAACCTCCACAGCGGGATTGGGAAATGGGAAAAAGATGGCTTTAATAT
 ACTAGGAANAACAGCTATCCACATCTTTTGAGGAATGGTGGTTGACCCAAGAGACGTTCC
 GGTGGCATAAGGGTGTGCCAGAGGCTCCTCGACTGGNTTACACCCATAGTATTCTGGA
 AGTGGTGGCTTTCAAATTTGGAGCCGTAATTTGGAATCTATAGGACAGGANGATTCCGCN

**3' Read Nucleotide
Sequence:**

>OriGene 3' read for NM_022473 unedited
 TTTCTTTGCACCCGCGNCCGAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTGAACCG
 AGTCTCACTCTGTACCAGGCTGGAGTGCAGTGGCAGCATCTCGGCTTACTGCAATCTCT
 GCCTCCCGGGTTCAAGCGATTCTCTGCCTCAGCCTCCTGAGCAGCTGGGATTACAGGTG
 CCCACCACGCCCGGGTTTTGTATTTTAGCACAGACGGGGTTTTGCCATGTTGGCCAGG
 CTGGTCTGCCACTCCTAGCCTCAGGTGATCTGCCTGCCTCACCTACCAAAGCGCTGGGA
 TTACAGGCGTGAGCCACCACACTCACACACGTGCTGACCTTGAGGATCCACAAACAAAA
 GGCTGGTAAGCGTCGCTCTTGACAGGCTCACTGCCGATCCGGTCGACATCGCTTACCCAG
 CGGCACTGTCGGTTTGTCTATCTGCGTGCCTTACGATCCCGTTCGACCTCCCCTGTTCT
 TGTCTCCTAGTTCTTTCGCTTCTCTCCCTTATTTACCCCTGCTCCTCTTTTCCATTCT
 TCCTTATCACGCTCCCCTCCCCTCCCCTGTTTCTCTCTCTTTGGCTTTGCTCTTGC
 CGTGCTCTCCCATCCATCTTAGCTCTCCCGCTATCTCTTCTGTACCCGTCGCTTTTTTTT
 GTTTCCTACTTGTGTCGTCGTCCTCTTGCCTGCTCACCCTCGTCC
 ACCCATCCATCCCTTCTCTTGTGGGTTGTTATTTGTCTAGCTTGTCACTTTCCCCTCCG
 TAGCCCTTCCCTCTCCCTCTCCTCTTCCGCTTCCCATCTCTTCTCTACTATTATACT
 CCTCCGCCCTCGTTTATCCCCCGCATCACCCTTCTCCTCTCTCCCTCCTTTCTCC
 CCTCCTCCTCCCTCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_022473

Insert Size:

7180 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [NM_022473.1](#), [NP_071918.1](#)

RefSeq Size: 10890 bp

RefSeq ORF: 10890 bp

Locus ID: 64397

UniProt ID: [Q9H2Y7](#)

Cytogenetics: 15q15.1

Domains: WD40, zf-C2H2

Gene Summary: RNA-binding protein. Specifically binds to 5'-GGGGCC-3' sequence repeats in RNA. Essential for maintenance of peripheral motor neuron and skeletal muscle function. Required for normal expression and/or alternative splicing of a number of genes in spinal cord and skeletal muscle, including the neurite outgrowth inhibitor RTN4. Also contributes to normal mitochondrial respiratory function in motor neurons, via an unknown mechanism. [UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).