

Product datasheet for **SC108062**

ZFYVE21 (NM_024071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE21 (NM_024071) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE21
Synonyms:	HCVP7TP1; ZF21
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024071, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTCCGAGGTGTCCGCGCCGCGACGCCAAGAAGCTGGTGCCTCCCGAGCGGCCTGCGCATGG
TGCCCGAACACCCGCGCTTCGGAAGCCCGTTCCGGCCTGGAGGAGCCGAGTGGTCCCGACAAGGAGTG
TCGGAGATGTATGCAGTGTGACGCCAAGTTTGACTTTCTACCAGAAAGCACCAGTGCCTGCGGG
AAGTGCTTCTGCGACAGGTGCTGCAGCCAGAAGGTGCCGCTGCGGCGCATGTGCTTTGTGGACCCCGTGC
GGCAGTGC GCGGAGTGC GCCCTCGTGTCCCTCAAGGAGGCGGAGTTCTACGACAAGCAGCTCAAAGTGCT
CCTGAGCGGAGCCACCTTCCTCGTCACGTTTGGAACTCAGAGAACTGAACTATGACTTGTCGTCTT
TCCAATAACCCAGAGATACTTGTCTGGATGGAGACAGCCACTATGAAATCGAAATTGTACACATTTCCA
CCGTGCAGATCCTCACAGAAGGCTTCCTCCTGGAGGAGGCAACGCACGGGCCACAGGCATGTTCCCTGCA
GTATACAGTGCCGGGGACGGAGGGTGTGACCCAGCTGAAGCTGACAGTGGTGGAGGACGTGACTGTGGGC
AGGAGGCAGGCGGTGGCGTGGCTAGTGGCCATGCACAAGGCTGCCAAGCTCCTCTATGAATCTCGGGACC
AGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024071 unedited
TACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTCCGAGGTGTCC
GCGCGCCGCGACGCCAAGAAGCTGGTGCCTCCCCGAGCGGCTGCGCATGGTGCCCGAA
CACCGCGCTTCGGAAGCCGTTTCGGCTGGAGGAGCCGAGTGGTCCCGGACAAGGAG
TGTCGGAGATGTATGCAGTGTGACGCCAAGTTTACTTTCTACCAGAAAAGCACCCTGT
CGCCGCTGCGGGAAGTGCTTCTGCGACAGGTGCTGCAGCCAGAAGTGCCGCTGCGGCGC
ATGTGCTTTGTGGACCCCGTGCAGTGCAGGAGTGCAGCCGAGTGCAGCCCTGGTGTCCCTCAAGGAG
GCGGAGTTCTACGACAAGCAGCTCAAAGTGCTCCTGAGCGGAGCCACCTTCTCGTCACG
TTTGAAACTCAGAGAACTGAACTATGACTTGTCTTTCCAATAACCAGAGATAC
TTGTTTCTGGATGGAGACAGCCACTATGAAATCGAAATTGTACACATTTCCACCGTGCAG
ATCCTCACAGAAGGCTTCCCTCCTGGAGAAAAAGACATTACGCTTACACCAGCCTCCGG
NNGAGCCAGCCTGCCTCTGAAGGAGGCACGCACGGCCACAGGCATGTTCTGCAGTATA
CAGTGCCCGGGACGGANGGTGTGACCCAGCTGAAGCTGACAGTGTGGNAGACGTGNACT
GTGGCANGAAGCANGCCGTGGCTGGCTAGTGGCCATGCACAAGGCTGCCAAGCTNCTCT
ATGAATCTCGGGACCCAGTACTCTACGTGNGCTGAGCTTGAGTACGTGTGCACCAGAA
CTGAATCGCTTGACAGCANAGCTGCTCCTGCGTACACAGGGATAATCCTGCTTGCTGG
GAAAGCACTCACTCATGTTTTGAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024071 unedited
GGCAGCTATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTATGTTCAAATAGTTTTTAAT
CATAAGCTTTATATACAAATTGCTGTACAGTCATCTTAATAAAGTGAAATAGTGAGTGAA
AAGTACAAAACACAAAGCCCCACGTTCCCTTGGTGAAGTATCAAAGGATCACTCACAG
CCCATAAGCCCCAAATTAGTGACAAGGTAAGTGGACAAGTCTGTGAAACAGGCTAAGGCA
AGTGTGTAAACTGGCTATTAGAGGCGAACAGGCTCCACTGCAGACCAGAAGCCTGAGTT
CCTACTGCCAAACTGGTCTGTGGAAGAATTAATGAAATGAATATTGATGGGCCAGAA
CCTTCTAGTAGACCTGCGAACTCATAAAAATGGTATATATTATGCTAAAAATAGTTTAGC
AGTAGTGTAGCTAGTCTCTCCACCCCAATTAAAGTATTGACAATACACAAATCTAAA
ACATGAAGCTGTTTAAAGCATTAACTGTGAACATATTGACTAGATAAGTGAACAC
TCCTGTTTGTCTCAAATACATGAGTGTGATTTCCAGCACAAGCAGGATTAAT
CCCTGTGGTACGCAAGGAGCAGGCTCTGCTGTTCCAAGCGACTCAGTCTGGTGACCACA
CGTACTCCAAGCTCAGCCCCACGTAGAGTACTGGTCCCGAGATCATAGAGGAGCTTGGC
AGCCTTGTGCATGGCCACTATCCAGCCACCGCTGCCTTCTGCCACAGTCACGTCTT
CACCCTGTGAGTTCAGCTGGGTACACCCTCCGNTCCCGGCACTGTATACTGCANGAA
TCATGCTGTGGCCCCGTGCGTTGCCCTCCTTATAAGCAGCCTGGCTCCCCGNAGGCT
GTTGTTAGCGTGAATGTCTTTTTCTNCAGAAGGGAATCCTTCTGTGAGGATCTGCACCGG
GGAAAGNAGNACATTNTCGATTTCTAGTGGCTGTCTCTNCAAATCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_024071

Insert Size:

1500 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:	<u>NM_024071.2, NP_076976.1</u>
RefSeq Size:	1412 bp
RefSeq ORF:	705 bp
Locus ID:	79038
UniProt ID:	<u>Q9BQ24</u>
Cytogenetics:	14q32.33
Domains:	FYVE
Gene Summary:	<p>Plays a role in cell adhesion, and thereby in cell motility which requires repeated formation and disassembly of focal adhesions. Regulates microtubule-induced PTK2/FAK1 dephosphorylation, an event important for focal adhesion disassembly, as well as integrin beta-1/ITGB1 cell surface expression.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>