

Product datasheet for **SC110902**

FUZ (NM_025129) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUZ (NM_025129) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUZ
Synonyms:	CPLANE3; FY; NTD
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025129, the custom clone sequence may differ by one or more nucleotides

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ATGGGGGAGGAGGGGACGGGCGGCACTGTGCATCTGCTGTGCCTCGCGGCTCCAGCGGGTCCCCCTAT
TCTGCAGGAGCAGTCGCGGCGGCGCCCCGCCCGTCAGCAGCTCCCGTTCTGTGCATCGGTTCCCTCAA
TGGAGTCCACATGTTTGGGCAGAATCTGGAGGTGCAGCTGAGCTCTGCGAGGACCGAGAACAGACTGTG
GTGTGGAAAAGCTTCCATGACAGCATCACCTCATTGTTCTGTGCATCTGAGGTGGGCATCTCTGAGCTGA
GGCTGGAGAGACTACTCAAATGGTGTGGAGCCATGGTCTTCTGTGGGACTGAAGAACTGACCAA
TATCCGCAACGTGGAGAGACTGAAGAAGGACTTGAGGGCCAGTTATTGCCTCATCGACAGCTTCCCTGGG
GACTCGGAGCTCATCGGGGACCTGACCCAGTGTGTGGACTGCGTGATTCTCCAGAGGGGTCCCTCTTGC
AGGAAGCCCTCTCCGGGTTGCTGAGGCCGCGGGCACGACCTTCGTGAGTCTGGTGGTGTCCGGCCGGGT
GGTGGCAGCAACAGAGGGTTGGTGGCGGCTGGGGACGCCCCGAGGCCGTGCTGCCCTGGCTGGTGGGG
TCCCTGCCGCGCAGACCGCTCGCGACTACCCGGTGTACCTGCCGCACGGGAGCCCCACGGTCCCACACC
GGCTCTGACCTGACTGTGCTGCCGAGCCTGGAGCTGTGTCTACTCTGCGGGCCGAGCCCCACCCCTCAG
CCAGTTGTATCCACAGCTTCTGGAGCGCTGGTGGCAGCCACTGCTGGACCCGTTGCGGGCCTGTCTGCC
TTGGGACCCCGGGCCTGCCAGTGGCTTCCCCCTTACACAGACATCCTCGGGCTGCTGCTCCTCCACC
TGGAACTGAAGCGCTGCCTTTCACCGTGGAGCCCTTGGGGGATAAAGAGCCTTACCAGAACAGCGCCG
GCGCCTCCTCCGAACTTCTATACCCTGGTACCTCCACGCACTTCCACCAGAGCCAGGGCCACCAGAG
AAGACAGAAGATGAGGTCTACCAGGCCAGCTGCCAGAGCTTGCTACCTGGTGTGGGGACTGAGGAAC
CAGGCACAGGAGTGCGTCTGGTGGCCTTGACAGTGGGGCTTCGGCGGCTGCTGCTGCTGCTGCTCCCA
GAGTCCCACCCATGGGCTGCGAAGCCTGGCCACCCACACTCTGCATGCCCTACCCCACTTCTTTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_025129 unedited CCCC GTT CANAATTTGTATACGACTCATATAGGCGGCCGCGCACTGTTTGGGCAGAATCT GGAGGTGCAGCTGAGCTCTGCGAGGACCGAGAACACGACTGTGGTGTGGAAAAGCTTCCA TGACAGGTCCCCAGGAGGGAACGTGGGACAGGGACAGGGCCTGGGTGATAGTCCCTGTTG AAGATGACCCCGAGGCCTTCCAGCTCTCTAAAAGCAGCTGTTATTTGGCTATGGGATC TTTAGCAAGCCAGTTACCCTCTTTGATCCCTGATGTTCTCTATAAGAAAGGCAGTTGGG CTGAGAGAGGATGATCTGGTGTCTAGGATCAATGGGCGGACTCCAACATACCCCTTCC TGATTCGCCAGGCCTTGACTCATTCTTCTCACTTCCATTCCACAGCATCACCCCTATTGT TCTGTCTCTGAGGTGGGCATCTCTGAGCTGAGGCTGGAGAGACTACTCAAATGGTGTT TGGAGCCATGGTCTTCTGTGGGACTTGAAGAACTGACCAATATCCGCAACGTGGAGAG ACTGAAGAAGGACTTGAGGGCCAGTTATTGCCTCATCGACAGTTCCTGGGGGACTCGGA GCTCATCGGGACCTGACCCAGTGTGTGGACTGCGTGATTCTCCAGAGGGGTCCCTCTT GCAGGAAGCCCTCTCCGGTTTCGTGAGGCCGCGGGCACGACCTCGTCAGTCTGGGTGG TGTCCGGCCTGGGTGGTGGCAGCAACAGAGGTTTGGTGGCGGCTGGGACGCCCTGAGCC GTGCTGCTCCCTGGGCTGGNGNGTCCCTTGCGNCGCAGACCGCTCGCGACTACTCCGGT GTACTACCGCACGGGAGCCACAGGTCCACACCGGCTNCTGACCCTGACTCTGCTGNCAG CTTGGAAGCTGTGATACACTCTGCGGGCCGAGCCATCTCAAANCAANTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_025129
Insert Size:	1900 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:	NM_025129.3 , NP_079405.2
RefSeq Size:	1643 bp
RefSeq ORF:	1257 bp
Locus ID:	80199
UniProt ID:	Q9BT04
Cytogenetics:	19q13.33

Gene Summary:

This gene encodes a planar cell polarity protein that is involved in ciliogenesis and directional cell movement. Knockout studies in mice exhibit neural tube defects and defective cilia, and mutations in this gene are associated with neural tube defects in humans. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) encodes isoform 1.