

## Product datasheet for **SC320663**

### **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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_025129.3  
 GCCCTCTGGCGGCTCCGGACCACAGGCCGAGTTACTCTGATTACCGCCATGCTCCAAGAC  
 CCGCACTGACAGTCCCCACGTGAGGGACCGCGTGGGAGTCTAAATGGGGGAGGAGGGG  
 ACGGGCGGCACTGTGCATCTGCTGTGCCTCGCGGCCTCCAGCGGGTCCCCATTTCTGC  
 AGGAGCAGTCGCGGCGGCGCCCCGCCCGTCAGCAGCTCCCGTTCTGTGCATCGGTTCC  
 CTCATGGAGTCCACATGTTTGGGCAGAATCTGGAGGTGCAGCTGAGCTCTGCGAGGACC  
 GAGAACACGACTGTGGTGTGAAAAGCTTCCATGACAGCATCACCCCTATTGTTGTCA  
 TCTGAGGTGGGCATCTCTGAGCTGAGGCTGGAGAGACTACTCAAATGGTGTGGAGCC  
 ATGGTCTTCTTGTGGGACTTGAAGAACTGACCAATATCCGCAACGTGGAGAGACTGAAG  
 AAGGACTTGAGGGCCAGTTATTGCCTCATCGACAGCTTCTGGGGGACTCGGAGCTCATC  
 GGGGACCTGACCCAGTGTGTGGACTGCGTGATTCTCCAGAGGGTCCCTTTCAGGAA  
 GCCCTCTCCGGTTCGCTGAGGCCGCGGGCAGACCTTCGTGAGTCTGGTGGTGTCCGGC  
 CGGGTGGTGGCAGCAACAGAGGGTTGGTGGCGGCTGGGACGCCGAGGCCGTGTGCTC  
 CCCTGGTGGTGGGTCCCTGCCGCCGAGACCCTCGCGACTACCCGGTGTACCTGCCG  
 CACGGGAGCCCCACGGTCCCACACCGGCTCCTGACCCTGACTCTGCTGCCGAGCCTGGAG  
 CTGTGTCTACTCTGCGGGCCGAGCCACCCTCAGCCAGTTGTATCCACAGCTTCTGGAG  
 CGTGGTGGCAGCCACTGCTGGACCCGTTGCGGGCCTGTCTGCCGTTGGGACCCCGGGC  
 CTGCCCAGTGGCTTCCCCTTACACAGACATCCTCGGGCTGCTGCTCCTCCACCTGGAA  
 CTGAAGCGCTGCCTTCCACCGTGGAGCCCTTGGGGGATAAAGAGCCTTACCAGAACAG  
 CGCCGGCGCCTCCTCCGAAACTTCTATACCCTGGTCACCTCCACGCACTTCCACCAGAG  
 CCAGGGCCACCAGAGAAGACAGAAGATGAGGTCTACCAGGCCAGCTGCCAGAGCTTGC  
 TACCTGGTGTGGGGACTGAGGAACCAGGCACAGGAGTGGTCTGGTGGCCTTGCAGCTG  
 GGGCTTCGGCGGCTGCTGCTGCTGCTCTCCCAGAGTCCCACCCATGGGCTGCGAAGC  
 CTGGCCACCCACACTCTGCATGCCCTCACCCACTTCTTTGACTACCTAGCAGTGGGTGA  
 TGGACACAGACATGGGGCTGTTAGCGTCTCTGTTTTATTGCTCACAATAATACACAGC  
 CCCTGGATGGGGAGGGGTAGGAGGGGCTACAACAGGGTGGGGTGGGAGGGGAGGAGACA  
 TCCACTTCCCTGGCCCCTCTCCCCTCTGTGCTTGGGGGGAAAGGGAGGGAGGGGACTC  
 CCCCTAACCCCCAGAATGTAACAGCAGCAGATGAACAAAAATAAAAAATACAAAAGGCC  
 GAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_025129
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_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.