

Product datasheet for **SC106329**

FEZ2 (BC018032) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FEZ2 (BC018032) Human Untagged Clone
Tag:	Tag Free
Symbol:	FEZ2
Synonyms:	fasciculation and elongation protein zeta 2 (zygin II); HUM3CL; MGC117372; pre-T/NK cell associated protein (3CI); zygin 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC018032, the custom clone sequence may differ by one or more nucleotides

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GGGGCGCGCGACTGCTCCGGGCGGCGATGGCGGCGGACGGGGACTGGCAGGATTTCTATGAGTTCAGGA
GCCGGCCCGGAGCCTCCTGGACCAGGAGAACTGTAAACGCGAGCCCGAGCCTGGGGCGGAGGCGGGGGCC
GGGGCGGGTGGGGGCGCGACGGTTTCCCGGCCCTGGCCTGCAGCTTGGAGGAGAAGCTGAGCCTGTGCT
TCCGCCCTCGGATCCGGGCGCGGAGCCCCGAGGACGGCCGTGCGGCCCATCACGGAGCGCAGCCTCCT
GCAGGGGGACGAGATTTGGAATGCCCTGACAGATAATTATGGAATGTGATGCCTGTAGACTGGAAGTCA
TCGCATACTAGGACCTTGCACTTGCTTACTCTGAACCTCTCAGAAAAAGGGTAAGTGACAGTTTGCTCT
TTGATACATCAGATGATGAAGAGCTGAGAGAACAGCTGGATATGCACTCAATCATCGTCTCCTGTGTTAA
TGATGAACCCCTCTTCACGGCAGACCAGGTTATTGAAGAAATTGAAGAAATGATGCAGGAATCACCGGAC
CCAGAAGATGATGAAACCCCTACACAGTCAGATCGGCTTCAATGCTTTCCAGGAAATCAAACCTCTCA
AGAGGTCTAGTACCGGCAGTTATGAAGAGAGAGTGAAGAGGCTCTCAGTGTCTGAGTTAAATGAAATCCT
GGAAGAAATTGAGACTGCCATTAAAGGAGTACTCTGAGGAGCTGGTGCAGCAGTTGGCTTTACGAGATGAA
CTGGAGTTTGAAGGAAGTGAAGAACAGCTTTATTTCTGTTCTATTGAAGTGCAAAACAAACAGAAAG
AGCACAAAGAAACAGCAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC018032 unedited TACTATAGGGCGGCCGGAATTCGGCACGAGGCGATGGCGGCGGACGGGGACTGGCAGGA TTTCTATGAGTTCAGGAGCCGGCCCGGAGCCTCCTGGACCAGGAGAACTGTAACGCGAG CCCCGAGCCTGGGGCGGAGGCGGGGGCCGGGGCGGGTGGGGGCGCCGACGGTTTCCCGGC CCTGGCCTGCAGCTTGGAGGAGAAGCTGAGCCTGTGCTTCCGCCCTCGGATCCGGGCGC CGAGCCCCCGAGGACGGCCGTGCGGCCCATCACGGAGCGCAGCCTCCTGCAGGGGACGA AGATTTGGAATGCCCTGACAGATAATTATGGGAATGTGATGCCTGTAGACTGGAAGTCAT CGCATACTAGGACCTTGCACTTGCTTACTCTGAACCTCTCAGAAAAAGGGTAAGTGACA GTTTGCTCTTTGATACATCAGATGATGAAGAGCTGAGAGAACAGCTGGATATGCACTCAA TCATCGTCTCCTGTGTTAATGATGAACCCCTCTTCACGGCAGACCATGTTTATTGAAGAA ATTGAAGAATGATGCAGGANTCACCGCACCCAGAAGATGATGAACCCCTCACAGTCAGA TCGGCTTTCATGCTTCCAGAAATCAACTCTCAGAGGTCTAGTACCGGCAGTTATGAG GAGAGAGTGAAAAGGCTCTCAGTGTCTGAGTTAAATGAAATCCTGGAAGAAATTGAGACT GCCATTAAGGAGTACTTTGACGAGCTGTTGCACCAGTTGGCTTTTACCAGATAACCTGGA GTTTGTAAGGGAGGGAAACACGCCTTATTTCTGTTCTTTTGGAGTGCCAACCACCGAA NGCCCCCGGAACCCGCCAAAAGAACAGGAACAAAATGGCCCCCTTACAAGGGGAGG ATGAAGAAATCTTTGCCCCGCCCGCTGCTTGGAGGGGTCTAAATGTTTTCCGAGGG CCTCCGCCACCTTGAATCGGGGGGAGAAAAAATTTGATACCCATTCTTTG
Restriction Sites:	NotI-NotI
ACCN:	BC018032
Insert Size:	2250 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:	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>BC018032.1, AAH18032.1</u>
RefSeq Size:	872 bp
RefSeq ORF:	872 bp
Locus ID:	9637
Cytogenetics:	2p22.2

Gene Summary:

This gene is an ortholog of the *C. elegans* unc-76 gene, which is necessary for normal axonal bundling and elongation within axon bundles. Other orthologs include the rat gene that encodes zygin II, which can bind to synaptotagmin. [provided by RefSeq, Jul 2008]