

Product datasheet for **SC322354**

FEZ1 (NM_005103) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FEZ1 (NM_005103) Human Untagged Clone
Tag:	Tag Free
Symbol:	FEZ1
Synonyms:	UNC-76
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 SC322354
 CTGGCTCTCCGCTGCGCTGCGCTGCGCTCCGGCCGCTCCCGCGGCCCGTGGATGGGGGTG
 TCCGGCTGAGCCCCGGGATCCGCCTCCCTCCGCCAGGACCCGCACAGATAAACTCATCCT
 GAAAGTCGCTGTTGTTCTCTGCTGAGCAAGAATGGAGGCCCACTGGTGAGTCTGGATG
 AAGAGTTGAGGACCTTCGACCTCCTGCTCGGAGGACCCGGAGGAGAAGCCCCAGTGTT
 TCTATGGTTTCATCTCCCCACCATCTCGAGGACCCCTCCCTCTCCGAGCTTGAGAATTTT
 CTCCGAAATAATCAGCTTCAAGTCCATGGAGGACCTCGTAAATGAATTTGATGAGAAGC
 TCAATGTCTGCTTTCGGAACACAAACGCAAGACCGAGAACCTAGCTCCCGTGAAGAACC
 AGTTACAGATCCAAGAGGAGGAGGAGACCTTTCAGGACGAGGAGTTTGGGATGCTCTGA
 CAGACAATTACATCCCTTCACTCTCAGAAGACTGGAGGGATCCAAACATCGAGGCTCTGA
 ATGGCAACTGCTCTGACACTGAGATCCATGAGAAAGAAGAGGAAGAGTTCAATGAGAAGA
 GTGAAAATGATTCGGTATCAACGAGGAGCCTCTGCTCACAGCAGATCAGGTAATTGAGG
 AGATTGAGGAAATGATGCAGAACTCCCCAGACCCTGAGGAAGAAGAGGAGTTCTGGAAG
 AAGAGGATGGAGGAGAACTTCTCCAGGCAGACTCGGTCTCCTGCAGGAGATGCAGG
 CATTGACACAGACCTTCAACAACAACCTGGTCTATGAAGGGCTGAGGCACATGTCTGGGT
 CTGAGCTGACCGAGCTGCTGGACCAGGTGGAGGGTGCCATCCGTGACTTCTCGGAGGAGC
 TGGTGACGAGCTGGCCCGCCGGACGAGCTGGAGTTTGAGAAGGAAGTGAAGAACTCCT
 TTATCACGGTGCTTATTGAGGTTTCAACAAGCAGAAGGAGCAGCGAGAACTGATGAAAA
 AGAGGCGGAAAGAGAAAGGGCTGAGCCTGCAGAGCAGCCGGATAGAGAAGGGAAACCAGA
 TGCCTCTCAAGCGCTTCAGCATGGAAGGCATCTCCAACATTCTGCAGAGTGGCATCCGCC
 AGACCTTTGGCTCCTCAGGAAGTCAACAACAGTATCTGAACACAGTCATTCTTACGAGA
 AGAAAGCCTCTCCTCCCTCAGTGAAGACTGCAGATGCTGACAAACATTCTCTTTGCCA
 TGAAGGAGGATAATGAGAAGGTGCCTACTTTGCTAACGGACTACATTTTAAAAGTCTCT
 GCCCTACCTAACCTTGCCCTTTGGAGCAGCCTCGCTGCAGGAGGTCACTGAGCAAGAGTC
 ATTCCATCACAGGACTGCATGAGACCATGTAACCTCCGACATGTATTTAAACGTGTATA
 GCTTAACCTGGATTAAACACGAGCAAGCGCGGGGTCCTTTGCCGTTGGCTTCTAGTGC
 TAGTAATCATTGGATGCATGATGGGGCAGGGCCGGTGATGGTGCCTCCCCCTTGCTGGT
 TCAGGAGAGGGGAAGGCAGCCGCTTTCACCGCTCATTATGTAGTCTGGCTACAGCCCTCA
 AAAACAGCTTATACTCTTAAGACTAATTTTGAATAAAAACCTTCATTTAATTAATAAAAAA
 AAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005103

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_005103.3](#), [NP_005094.1](#)

RefSeq Size: 1702 bp

RefSeq ORF: 1179 bp

Locus ID: 9638

UniProt ID: [Q99689](#)

Cytogenetics: 11q24.2

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. Expression of this gene in *C. elegans* *unc-76* mutants can restore to the mutants partial locomotion and axonal fasciculation, suggesting that it also functions in axonal outgrowth. The N-terminal half of the gene product is highly acidic. Alternatively spliced transcript variants encoding different isoforms of this protein have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the full-length isoform (1), which has a longer C-terminal end compared to isoform 2.