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Product datasheet for SC126653

FEZ1 (NM_022549) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FEZ1 (NM_022549) Human Untagged Clone
Tag:	Tag Free
Symbol:	FEZ1
Synonyms:	UNC-76
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022549, the custom clone sequence may differ by one or more nucleotides

ATGGAGGCCCCACTGGTGAGTCTGGATGAAGAGTTTGAGGACCTTCGACCCTCCTGCTCGGAGGACCCGG
AGGAGAAGCCCCAGTGTTTCTATGGTTCATCTCCCCACCATCTCGAGGACCCCTCCCTCTCCGAGCTTGA
GAATTTTTCTTCCGAAATAATCAGCTTCAAGTCCATGGAGGACCTCGTAAATGAATTTGATGAGAAGCTC
AATGTCTGCTTTCGGAACTACAACGCCAAGACCGAGAACCTAGCTCCCGTGAAGAACCAGTTACAGATCC
AAGAGGAGGAGGAGACCCTTCAGGACGAGGAGTAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022549 unedited
TTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTCCGGCTGAGCCCC
GGGATCCGCCTCCCTCCGCCAGGACCCGCACAGATAAACTCATCCTGAAAGTCGCTGTTG
TTCTCCTGCTGAGCAAGAATGGAGGCCCCACTGGTGAGTCTGGATGAAGAGTTTGAGGAC
CTTCGACCCTCCTGCTCGGAGGACCCGGAGGAGAAGCCCCAGTGTTTCTATGGTTCATCT
CCCCACCATCTCGAGGACCCCTCCCTCTCCGAGCTTGAGAATTTTTCTTCCGAAATAATC
AGCTTCAAGTCCATGGAGGACCTCGTAAATGAATTTGATGAGAAGCTCAATGTCTGCTTT
CGGAACTACAACGCCAAGACCGAGAACCTAGCTCCCGTGAAGAACCAGTTACAGATCCAA
GAGGAGGAGGAGACCCTTCAGGACGAGGAGGTTTGGGATGCTCTGACAGACAATTACATC
CCTTCACTCTCAGAAGACTGGAGGGATCCAAACATCGAGGCTCTGAATGGCAACTGCTCT
GACACTGAGATCCATGAGAAAGAAGAGGAAGAGTTCAATGAGAAGAGTGAAAATGATTCC
GGTATCAACGAGGAGCCTCTGCTCACAGCAGATCAGGTAATTGAGGAGATTGAGGAAATG
ATGCAGAACTCCCCANACCCTGAAGAAGAAGAGGAAGGTCTGGAAGAAAAGATGGAGGAG
AAACTTCCTCCAGNCAGACTCGGTCCTTCTGCAAGAGAGCAGGCATTGACACAGACCTTA
NCAACAACTGGGTCTATTAAGGGCTGANGCACATGTTTGGTCTGAGCTGACGAGCTCGTG
AACAGTTGGAGGGGCCTTCCGTGACTCTCGGAGAACCTGTGCACACCTGCCCGCCGGACA
GCTTGAGTTGAGAGAGAGGAAAACCTTTTACCGA
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Restriction Sites: NotI-NotI

ACCN: NM_022549

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: NM_022549.2, NP_072043.1

RefSeq Size: 1753 bp

RefSeq ORF: 315 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 (2) encodes a protein isoform (2) that is truncated at the C-terminal end compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.