

## Product datasheet for MC227179

### Fez2 (NM\_001285949) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Fez2 (NM\_001285949) Mouse Untagged Clone  
Tag: Tag Free  
Symbol: Fez2  
Synonyms: 9030616F16; D17ErtD315e  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
Fully Sequenced ORF: >MC227179 representing NM\_001285949  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGCTGACGGGGACTGGCAGGATTTCTATGAGTTCCAGGAGCCGGCCGGGAGTGTCAGGAACAGG  
AGAACTGTAACGCGAGCCCGGAGGCTGGCGCGGGGGCACACGCGGGCGGCAGAGCTTCCCGCGCTGGC  
TTCCAGCCTGGAGGAGAAGCTGAGCCTGTGCTTCCGCCCCACGTCGGAGGCCGAGCCCCACGGCGGCC  
GTGCGGCCCATCACGGAGTGCAGCCTCTGCAAGGGGACGAGATTTGGAATGCCCTGACAGATAACTATG  
GGAATGTCATGCCTGTAGACTGGAAGTCGTCCTACACAAGGACCTTGCATTTGCTTACTCTGAACCTCTC  
GGAGAAAGGGATGAACGACGGCTTGCTCTTTGACGCCTCGGATGAGGAGGAGCTGAGGGAGCAGTTGGAC  
ATGCATTCGATCATTGTCTCTGTGTCACGAAGAGCCTCTCTTCACTGCAGACCAGGTGATTGAAGAAA  
TTGAAGAAATGATGCAGGAGTCACCAGACCCAGAAGACGACGAGACCCCCACACAGTCAGACCGGCTCTC  
TATGCTCTCCAGGAGATTCAGACTCTCAAGAGGTCTAGCATGAGCAGCTATGAAGAGCGAGTGAAAAGG  
CTGTGCGTGTCTGAGCTAAACGAAGTCTGGAAGAGATCGAGGCAGCCATTAAGCAGTACTCTGAGGAGC  
TGGTGCAGCAGCTGGCCCTGCGAGATGAACTCGAGTTGAGAAGGAAGTGAAAACAGCTTCATTTCGC  
TCTGATTGAGGTGAGAACAAGCAGAAAGAACACAAGAGACAGCCAAGAGAAGAAGAAGCTCAAAAGT  
GGCAGCTCTCAGAACGGGAGGAGTGAGAGAAGTACATGCCGGGCACATATCTGACGACAGTCATCCCTT  
ACGAGAAGAAGAGTGCCCGCCGTCCTGGAAGATCTTCAGATACTAACCAAAATCCTGCATGCCATGAA  
GGAGGACAGTGAGAAAGTTCCAAGCTTGTTAACCGACTATATACTGAAAGGCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_001285949



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<b>Insert Size:</b>	1038 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001285949.1, NP_001272878.1</u>
<b>RefSeq Size:</b>	3767 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	225020
<b>Cytogenetics:</b>	17 48.57 cM
<b>Gene Summary:</b>	<p>Involved in axonal outgrowth and fasciculation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 3' UTR and has multiple coding region differences including the use of an alternate 3' terminal exon. The resulting protein (isoform 4) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>