

## Product datasheet for **MC216519**

### Fezf1 (NM\_028462) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fezf1 (NM_028462) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fezf1
Synonyms:	3110069A13Rik; Fez; fez-like; Zfp312-like
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216519 representing NM\_028462  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACAGTAGCTGCCTCAACGCGACCACCAAATGCTAGCGACTGCTCCAGCTCGGGGCAACGTGATGA  
 GCACATCTAAACCCTTGGCTTTCTCCATCGAACGAATCATGGCGCGCACCCCTGAGCCTAAGGCCCTGCC  
 GGTCCCCCACTTCTGCAGGGAGCCGTGCCAAAGGGGACCCCAAGCACTCTCTGCATCTCAACTCGTCG  
 ATCCCCTGCATGATCCCTTTTCGTCGCCGTGGCGTACGACACGAACTCAAAGCGGGAGTGAATGGCTCAG  
 AGCCCCGCAAGGCGAGTTTGGAGGTTCCGGCGCCGCCGGTGGCGCCCTCTGCGCCGGCGTTCAGCTG  
 CAGCGACTGCTCAACTGCGCGCTAAGTCTTAAGGGCGACCTGGCCCGGACGCATTGCCACTACAGCAG  
 TACAAGCTGGTAAGGCCGCGTGTGGTCAACCACCTTTCGTTTACGCCATGGGTGCCCTGTGCTACCTGA  
 ACCGAGGTGACGGCCCGTCCACCCGGTGGCAGCGTGAACATCCACCCGGTGGCCTCTACTTTCTCAG  
 TTCCCCTTGCACCCACAGCCAAAACGTATTTAGCCGAAAGGAATAAACTGGTTGTACCGGCAGTGGAG  
 AAACCTCCCTTCGGGAGTAGCTTTCAAAGACCTGTCCAGGCTCAGCTGCAGCATTACATGAAAGAAAGCG  
 CCCAACTTTTGTGCGAAAAAATCGCTTTCAAACCTCGGATTTACGCCGCGGCTCTCAAATGCCAAGCC  
 CAAAGTTTCACTTGTGAAGTCTGCGGCAAGGTCTTAATGCGCACTATAACTTAACCCGTACATGCCG  
 GTACACACAGGAGCCAGACCCCTTCGTGTGTAAAGTGTGTGGGAAAGGTTTCCGGCAAGCTAGCACCCCTT  
 GCCGGCATAAGATCATTACACACAGGAGAAACCTCACAAGTGCAACCAAGTGGGTAAGCATTTAACAG  
 AAGTCCACGTTAAACACACATACCCGAATTCACGCGGGCTACAAACCATTTCGTGTGTGAATTCTGCGGC  
 AAAGGATTTTCATCAAAAAGGGAATTACAAAATCACAAGTTAACCCACAGCGGGGAGAAACAGTTCAAGT  
 GCAATATCTGCAACAAGGCTTTCACCAGGTGTACAACCTCACCTCCACATGCACACTCACAACGACAA  
 GAAGCCTTTCACCTGCCACAGTGTGGCAAGGGCTTTTGTAGGAACTTTGACCTCAAGAAGCAGTCCGC  
 AAGCTACACGACAGCAGCTGGGGCTGACCCGCACTCCTACTGGGGAGCCAAGCAGCGATCCGCCGCC  
 AGCTGCAACAGCCGCGCTGCGCTCTGCCGCACTGCAGCCTACATTGCCGCTCCCGGGCTCTGCC  
 ATCCGGGCTTACCAAGGCCACCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_028462  
**Insert Size:** 1428 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<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><a href="#">NM_028462.1</a></u> , <u><a href="#">NP_082738.1</a></u>
<b>RefSeq Size:</b>	2308 bp
<b>RefSeq ORF:</b>	1428 bp
<b>Locus ID:</b>	73191
<b>UniProt ID:</b>	<u><a href="#">Q0VDO9</a></u>
<b>Cytogenetics:</b>	6 A3.1
<b>Gene Summary:</b>	Transcription repressor. Involved in the axonal projection and proper termination of olfactory sensory neurons (OSN). Plays a role in rostro-caudal patterning of the diencephalon and in prethalamic formation. Expression is required in OSN to cell-autonomously regulate OSN axon projections. Regulates non-cell-autonomously the layer formation of the olfactory bulb development and the interneurons. May be required for correct rostral migration of the interneuron progenitors.[UniProtKB/Swiss-Prot Function]