

Product datasheet for **MR222210**

Fezf1 (NM_028462) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR222210 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGTAGCTGCCTCAACGCGACCACCAAATGCTAGCGACTGCTCCAGCTCGGGGCAACGTGATGA
GCACGTCTAAACCTTGGCTTTCTCCATCGAACGAATCATGGCGCGCACCCCTGAGCCTAAGGCCCTGCC
GGTCCCCCACTTCTGCAGGGAGCCGTGCCCAAAGGGGACCCCAAGCACTCTCTGCATCTCAACTCGTCG
ATCCCCTGCATGATCCCTTTTGTCCCGTGGCGTACGACACGAACTCAAAGCGGGAGTGAATGGCTCAG
AGCCCCGCAAGGCGAGTTTGGAGGTTCCGGCGCCCGCGGTGGCGCCCTCTGCGCCGGCGTTCAGCTG
CAGCGACTGCTCAACTGCGCGCTAAGTCTTAAGGGCGACTGGCCCGGACGCATTGCCACTACAGCAG
TACAAGCTGGTAAGGCCGCGTGTGGTCAACCCTCTTCGTTTACGCCATGGGTGCCCTGTGCTACCTGA
ACCGAGGTGACGGCCCGTCCACCCGGTGCAGCGTGAACATCCACCCGGTGGCCTCTACTTTCTCAG
TTCCCTTTGCACCCACAGCCAAAACGTATTTAGCCGAAAGGAATAAAGTGGTTGTACCGCAGTGGAG
AAACTCCCTTCGGGAGTAGCTTTCAAAGACCTGTCCAGGCTCAGCTGCAGCATTACATGAAAGAAAGCG
CCCAACTTTTGTGCGAAAAAATCGCTTTCAAACCTCGGATTTACAGCCGGGCTCTCAAATGCCAAGCC
CAAAGTTTCACTTGTGAAGTCTGCGGCAAGGTCTTAATGCGCACTATAACTTAACCCGTACATGCCG
GTACACACAGGAGCCAGACCCCTTCGTGTGTAAGTGTGTGGGAAAGGTTTCCGGCAAGCTAGCACCTTT
GCCGGCATAAGATCATTACACACAGGAGAAAACCTCACAAGTGCAACAGTGGGTAAGCGTTTAAACAG
AAGTCCACGTTAAACACACATACCCGAATTCACGCGGGCTACAAACCATTCTGTGTGAATTCTGCGGC
AAAGGATTTCAACAAAAGGGAATTACAAAATCACAAGTTGACCCACAGCGGGGAGAAACAGTTCAAGT
GCAATATCTGCAACAAGGCTTTCCACAGGTGTACAACCTCACCTCCACATGCACACTACAACGACAA
GAAGCCTTTACCTGCCACAGTGTGGCAAGGGCTTTTGTAGGAACCTTGACCTCAAGAAGCACGTCGCG
AAGCTACACGACAGCAGCTGGGGCTGACCCGCACTCCTACTGGGGAGCCAAGCAGCGATCCGCCGCCC
AGCTGCAACAGCCGCGCTGCGCTCTGCCGCACTGCAGCCTACATTGCCGCTCCCGGGCTCTGCC
ATCCGGGCTTACCAAGGCCACCAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222210 protein sequence
Red=Cloning site Green=Tags(s)

MDSSCLNATTKMLATAPARGNMSTSKPLAFSIERIMARTPEPKALPVPHFLLQGAVPKGDPKHSLSHLNNS
IPCMIPIFVPVAYDTNSKAGVNGSEPRKASLEVPAPPVAVAPSAPAFSCDLLNCALSLKGLDARDALPLQQ
YKLVRRPRVNHSSFHAMGALCYLNRGDGPCHPAASVNIHPVASYFLSSPLHPQPKTYLAERNKLVPAVE
KLPSPGVAFKDL SQAQLQHMYKESAQLLSEKIAFKTSDFSRGSPNAKPKVFTCEVCGKVFNAHYNLTRHMP
VHTGARPFVCKVCGKFRQASTLCRHKI IHTQEKPHKCNQC GKAFNRSSTLNTHTRI HAGYKPFVCEFCG
KGFHQKGNYNHKLTHSGEKQFKCNICNAFHQVYNLTFMHMTHNDKPFPTCPTCGKGF CRNFDLKKHVR
KLHDSGLTRPTGEPSSDPPPQLQPPAPLPLPPLPPPGLPSGLHQGHQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_028462

ORF 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 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

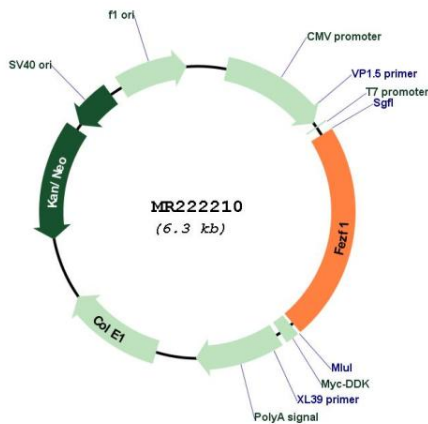
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_028462.1, NP_082738.1](#)
RefSeq Size: 2308 bp
RefSeq ORF: 1428 bp
Locus ID: 73191
UniProt ID: [Q0VDQ9](#)
Cytogenetics: 6 A3.1
MW: 52 kDa

Gene Summary: 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]

Product images:



Circular map for MR222210