

Product datasheet for **MR207270**

Fezf2 (NM_080433) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fezf2 (NM_080433) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fezf2
Synonyms:	AI451466; AI852056; Fez; Fezl; Zfp312
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207270 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGCTCAGCTTCCCTGGAGACCATGGTGCCCCCGCCTGCCCGCGCTGGAGCGTACCGGCCA
 CTCTAAAACACTAGCTTTCTCTATCGAGCGCATCATGGCCAAGACGTCGAGCCCCGAGCGCTTTCGA
 GCCCGGCCTGCTGCGTTAGAGGAGACAGCAGCCAGAGCAAGAACTGCTCAACCTCTGCTCGCCGCTG
 CCCTGTATGATCCCTCTCCAGCCTCTAGGCTACGAGGTGCCGTCCAAGACGCTGCTCAGTTACTCGGAGT
 TCTGGAAGAGCAGCCTCCGGGCGGGCGCGGTGGAGGAGGAGCAGCGCGGGGGGGCCCCAGTGTGCGG
 CGCCAGCGGCTTGTGCAAAACCAACTGTGGCTGTGCTGCAAGGCCGAAGTGGCCTCGCGCCTTCTGCG
 CTGCCCGCGGAGGGTCAAAACCGCAGGTCAACACAGGCTGTGGGGTGCCTGCCAGCGGCTCTC
 TCTACTACTTCAACTACCTGGACTCCACCGTTACCCACCTTCGGAGCTCCTCGGAGGCCACCTTTTCCC
 ATCCGGCCTCCTCAACGCACAGGCCCCACTTCCCTGGCTGCTACCCCAAGCTTTTCTGCTGGAGAAC
 GCCAAACTGGCCAGCCTGGCTGCGGACAAGTCCCCACCCAGCTTCTATCCCCATAAGGAGCGCTTGC
 ATGCGCCACTGGAGCAGGTGCTGAAGGAGAACTCGGCCTTGACAGCTGAACGAGGGGGAGTCAAGAGCCA
 CAGCAAACTACCGGGGGCTCTACTGACAGCAAAACCAAACTTACCTGCGAAGTGTGCGGCAAGGTG
 TTCAATGCTCACTATAACCTCACCCGCCACATGCCTGTCCACACCCGAGCTAGACCGTTTGTGTGCAAA
 TCTGTGGCAAAGGCTTCCGCCAGGCCAGCACTCTGCGAGACAAAAATTATCCATACCCAGGAAAAACC
 ACATAAGTGTAAACAGTGGGCAAAGCCTTCAATCGCAGCTCCACGCTCAACACGCACATCCGCATCCAC
 GCGGGCTACAAGCCCTTCGTCTGCGAGTTTTGTGGCAAAGGCTTTCACCAAAAAGGGAAGTACAAGAATC
 ACAAGCTACCCACAGCGGCGAGAAGCAGTACAAATGCACTATCTGTAACAAGGCCTTCCATCAGGTCTA
 CAATCTGACCTTCCACATGCACACCCACAACGACAAGAAGCCTTTCACGTGTGCCACTTGCGGCAAAGGT
 TTTTGCAGAACTTTGACTTAAAGAAACATGTGCGCAAATTCATGACAGCGTGGTCCCACCGCCACCC
 CCTCAGCAAAGGACCTAGCCAGGACAGTTCAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207270 protein sequence
 Red=Cloning site Green=Tags(s)

MASSASLETMVPPACPRAGASPATSKTLAFSIERIMAKTSEPRAPFEPRAALEADSSQSKLLNLCSP
 PCMIPLQPLGYEVPSKTLLEYSEFWKSSLRAGGGGGGGGGGAPVCGASGLCKTNCVCKAELGLAPSA
 LPAGRVIKQVINQAVGLPASGSLYYFNLYLDSTAYPPSELLGGHLFPSGLLNAQAPTSLAAHPKLFLEN
 AKLASLAADKFPHPASYPHKERLHAPLEQVLKENSALTAERGGVKSHSKLPGGSTDSKPKNFTCEVCGKV
 FNAHYNLTRHMPVHTGARPFVCKVCGKGFQASTLCRHKIHTQEKPHKNQCGKAFNRSSLNTHIRIH
 AGYKPFVCEFCGKGFHQKGNYNHKLTHSSEKQYKCTICNKAFHQVYNLTFMHMTHNDKKPFTCATCGKG
 FCRNFDLKKHVRKLDHDSVGPATPSAKDLARTVQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_080433

ORF Size: 1368 bp

OTI Disclaimer: 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_080433.3](#)
RefSeq Size: 2304 bp

RefSeq ORF: 1368 bp

Locus ID: 54713

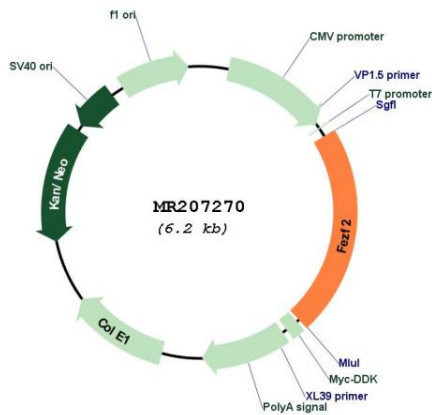
UniProt ID: [Q9ESP5](#)

Cytogenetics: 14 A1

MW: 48.9 kDa

Gene Summary: Transcription repressor. Required for the specification of corticospinal motor neurons and other subcerebral projection neurons. May play a role in layer and neuronal subtype-specific patterning of subcortical projections and axonal fasciculation. Controls the development of dendritic arborization and spines of large layer V pyramidal neurons. Plays a role in rostro-caudal patterning of the diencephalon and in prethalamic formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207270