

Product datasheet for **MG207270**

Fezf2 (NM_080433) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fezf2 (NM_080433) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fezf2
Synonyms:	AI451466; AI852056; Fez; Fezl; Zfp312
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207270 representing NM_080433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCTCAGCTTCCCTGGAGACCATGGTGCCCCCGCCTGCCCGCGCTGGAGCGTCACCGGCCA
 CTCTAAAACACTAGCTTTCTCTATCGAGCGCATCATGGCCAAGACGTCGAGCCCCGAGCGCTTTCGA
 GCCCGGCCTGCTGCGTTAGAGGACAGCAGCAGCCAGAGCAAGAACTGCTCAACCTCTGCTCGCCGCTG
 CCCTGTATGATCCCTCTCCAGCCTCTAGGCTACGAGGTGCCGTCCAAGACGCTGCTCAGTTACTCGGAGT
 TCTGGAAGAGCAGCCTCCGGGCGGGCGCGGTGGAGGAGGAGGCAGCGCGGGGGGGCCCCAGTGTGCGG
 CGCCAGCGGCTTGTGCAAAACCAACTGTGGCGTGTGCTGCAAGGCCGAAGTGGCCTCGCGCCTTCTGCG
 CTGCCCGCGGCAGGGTCATCAAACCGCAGGTCAACACAGGCTGTGGGGCTGCCTGCCAGCGGCTCTC
 TCTACTACTTCAACTACCTGGACTCCACCGCTTACCCACCTTCGGAGCTCCTCGGAGGCCACCTTTTCCC
 ATCCGGCCTCCTCAACGCACAGGCCCCACTTCCCTGGCTGCTCACCCCAAGCTTTTCTGCTGGAGAAC
 GCCAAACTGGCCAGCCTGGCTGCGGACAAGTCCCCACCCAGCTTCTATCCCCATAAGGAGCGCTTGC
 ATGCGCCACTGGAGCAGGTGCTGAAGGAGAACTCGGCCTTGACAGCTGAACGAGGGGGAGTCAAGAGCCA
 CAGCAAACCTACCGGGGGCTCTACTGACAGCAAACCCAAAAAATTACCTGCGAAGTGTGCGGCAAGGTG
 TTCAATGCTCACTATAACCTCACCCGCCACATGCCTGTCCACACCCGAGCTAGACCGTTTGTGTGCAAAAG
 TCTGTGGCAAAGGCTTCCGCCAGGCCAGCACTCTCTGCAGACAAAAATTATCCATACCCAGGAAAAACC
 ACATAAGTGTAAACAGTGGGCAAAGCCTTCAATCGCAGCTCCACGCTCAACACGCACATCCGCATCCAC
 GCGGGCTACAAGCCCTTCGTCTGCGAGTTTTGTGGCAAAGGCTTTCACCAAAAAGGGAAGTACAAGAATC
 ACAAGCTCACCCACAGCGGCGAGAAGCAGTACAAATGCACTATCTGTAACAAGGCCTTCCATCAGGTCTA
 CAATCTGACCTTCCACATGCACACCCACACACAAGAAGCCTTTCACGTGTGCCACTTGGCGCAAAGGT
 TTTTGCAGAAACTTTGACTTAAAGAAACATGTGCGCAAATTCATGACAGCGTGGTCCCACCGCCACCC
 CCTCAGCAAAGGACCTAGCCAGGACAGTTCAGAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207270 representing NM_080433
 Red=Cloning site Green=Tags(s)

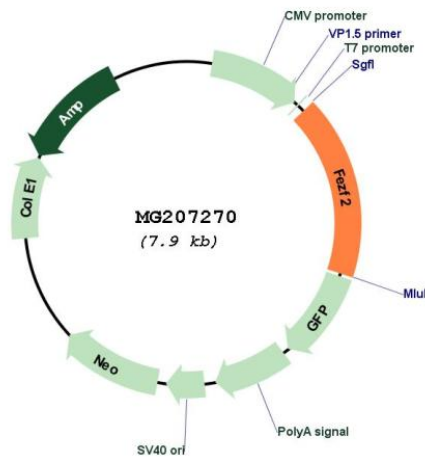
MASSASLETMVPACPRAGASPATSKTLAFSIERIMAKTSEPRAPFEPRPAALEADSSQSKLLNLCSP
 PCMIPLQPLGYEVPSKTLISYSEFWKSSLRAGGGGGGGSGGGAPVCGASGLCKTNCVCKAELGLAPSA
 LPAGRVIKPQVINQAVGLPASGSLYYFNLDSTAYPPSELLGGHLFPSGLLNAQAPTSLAAHPKLFLEN
 AKLASLAADKFPHPASYPHKERLHAPLEQVLKENSALTAERGGVKSHSKLPGGSTDSKPKNFTCEVCGKV
 FNAHYNLTRHMPVHTGARPFVCKVCGKFRQASTLCRHKI IHTQEKPCHKCQCGKAFNRSSSTLNTHIRIH
 AGYKPFVCEFCGKGFHQKGNYNHKLTHSGEKQYKCTICNKAFHQVYNYLTFHMHTHNDKPKFTCATCGKG
 FCRNFDLKKHVRKLDHDSVGPATPSAKDLARTVQS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_080433

ORF Size: 1365 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:	<ol style="list-style-type: none">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:	<u>NM_080433.3</u>
RefSeq Size:	2058 bp
RefSeq ORF:	1368 bp
Locus ID:	54713
UniProt ID:	<u>Q9ESP5</u>
Cytogenetics:	14 A1
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]