

Product datasheet for **MR229390**

Fez2 (NM_001285949) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fez2 (NM_001285949) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fez2
Synonyms: 9030616F16; D17ErtD315e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229390 representing NM_001285949
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCTGACGGGACTGGCAGGATTTCTATGAGTTCAGGAGCCGGCCGGGAGTGTCAGGAACAGG
AGAAGTGAACGCGAGCCCGGAGGCTGGCGGGGGCACACGCGGGCGGACAGCTTCCCGCGCTGGC
TTCCAGCCTGGAGGAGAAGCTGAGCCTGTGCTTCCGCCACGTCGGAGGCCGAGCCCCACGGCGGCC
GTGCGGCCATCACGGAGTGCAGCCTCCTGCAAGGGGACGAGATTTGGAATGCCCTGACAGATAACTATG
GGAATGTCATGCCTGTAGACTGGAAGTCGTCCCATACAAGGACCTTGCATTTGCTTACTCTGAACCTCTC
GGAGAAAGGGATGAACGACGGCTTGCTCTTTGACGCCTCGGATGAGGAGGAGCTGAGGGAGCAGTTGGAC
ATGCATTCGATCATTGTCTCCTGTGTCAACGAAGGCCTCTTCACTGCAGACCAGGTGATTGAAGAAA
TTGAAGAAATGATGCAGGAGTCACCAGACCCAGAAGACGACGAGACCCACACAGTCAGACCGGCTCTC
TATGCTCTCCAGGAGATTCAGACTCTCAAGAGGTCTAGCATGAGCAGCTATGAAGAGCGAGTGAAGAGG
CTGTGCGTGTCTGAGCTAAACGAAGTCTGGAAGAGATCGAGGCAGCCATTAAGCAGTACTCTGAGGAGC
TGGTGACGACGCTGGCCCTGCGAGATGAAGTTCGAGTTCGAGAAGGAAGTGGAAAACAGCTTCATTTCCGC
TCTGATTGAGGTGAGAACAAGCAGAAAGAACACAAGAGACAGCAAGAAGAAGAAGCTCAAAGT
GGCAGCTCTCAGAACGGGAGGAGTGAGAGAAGTACATGCCGGGCACATATCTGACGACAGTCATCCCTT
ACGAGAAGAAGAGTGGCCCGCCGTCGTTGGAAGATCTTCAGATACTAACCAAAATCCTGCATGCCATGAA
GGAGGACAGTGAGAAAGTCCAAGCTTGTAAACCGACTATATACTGAAAGGCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229390 representing NM_001285949
 Red=Cloning site Green=Tags(s)

MAADGDWQDFYEFQEPAGSVQEENCNASPEAGAGAHAGGDSFPALASSLEEKLSLCFRPTSEAEPPRAA
 VRPITECSLLQGDEIWNALTDNYGNVMPVDWKSSTRTLHLLTLNLSEKGMNDGLLFDASDEEELREQLD
 MHSIIIVSCVNNEPLFTADQVIEEIEEMMQESPDPEDDETPTQSDRLSMLSQEIQLTKRSSMSSYEERVKR
 LSVSELNELLEEIEAAIKQYSEELVQQLALRDELEFEKEVENSFISALIEVQNKQKEHKETAKKKKKLKS
 GSSQNGRSERSHMPGTYLTTVIPYEKKSPPSVEDLQILTKILHAMKEDSEKVPSSLTLDYILKGW

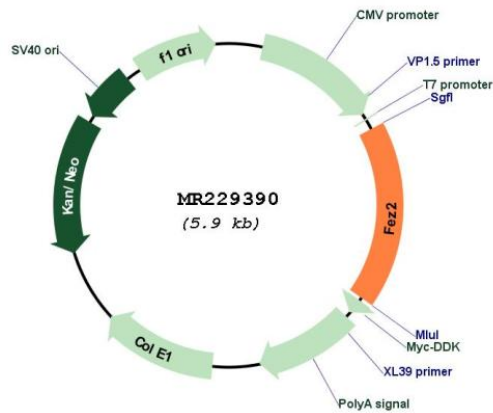
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285949

ORF Size: 1035 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:	NM_001285949.1 , NP_001272878.1
RefSeq Size:	3767 bp
RefSeq ORF:	1038 bp
Locus ID:	225020
Cytogenetics:	17 48.57 cM
MW:	39.3 kDa
Gene Summary:	Involved in axonal outgrowth and fasciculation.[UniProtKB/Swiss-Prot Function]