

Product datasheet for MR206113

Fez1 (NM_183171) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fez1 (NM_183171) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fez1
Synonyms:	UNC-76; UNC76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206113 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCCCACTGGTGAAGTCTGGATGAAGAGTTTGAAGATATCAGGCCAGTTGCACTGAGGAGCCAG
AGGAAAAGCCACAGTGTCTGTATGGCACATCTCCTCATCACCTGGAGGACCCTTCCCTCTCTGAGCTTGA
GAATTTTTCTTCCGAAATATCAGCTTCAAGTCCATGGAGGACCTCGTGAATGAATTTGATGAGAAGCTC
AATGTCTGCTTTCCGAACTACAACGCCAAGACGGAGAGCCTGGCTCCAGTGAAGATCCAGCTGCAGATCC
AGGAGGAGGAGGAGACTTTCGGGATGAGGAGGTTTGGGATGCTCTGACAGACAATTACATCCCTTCACT
CTCAGAAGACTGGAGGGACCCAAACATTGAAGCTCTGAATGGCAACAGCTCTGACATTGAGATTCATGAG
AAGGAAGAAGAAGAGTTCAATGAGAAGAGTGAATGACTCTGGCATCAATGAGGAGCCTCTCCTCACAG
CTGACCAGGTGATTGAGGAACTGAAGAAATGATGCAGAATCTCCAGATCCTGAAGAGGAAGAGGAGGT
GCTAGAAGAGGAGGATGGAGGAGAAATCTCATCCAGGCAGATTCAGTCTGCTACAAGAGATGCAGGCC
TTGACACAGACCTTCAACGACAATGGTCTATGAAGGGCTGAGACACATGTCTGGGTCTGAGCTGACAG
AGCTGCTGGACCGGTAGAGGGTGCCATCCGTGACTTCTCAGAGGAGCTGGTCCACCAGCTGGCCCGCAG
AGATGAGCTGGAGTTTGAAGAAGAGTGAAGAATCCTTCATCACGGTGTCTATTGAGGTTTCAGAACAAG
CAGAGGGAGCAGCGGAACTGATGAAGAAGAGGGCGAAAGAGAGGGGTTAAGCCTGCAGAGCAACCGGA
TAGAGAAGGGAAGTCAGATGCCTCTCAAGCGCTTCAGCATGGAAGGCATCTCCAACATCCTGCAGAGCGG
CATCCGCCAGACCTTTGGCTCCTCAGGAGCTGACAGACAGTATCTGAACACAGTCAATCCCTTATGAGAAG
AAATCCTCTCCTCCCTCTGTGGAAGACCTGCAGATGCTGACAAACATTCTCTTCGCCATGAAGGAGGATA
ACGAGAAGGTGCCTACTTTGCTAACGGACTACATTTTAAAGTGCTTTGTCCAACC

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206113 protein sequence
Red=Cloning site Green=Tags(s)

MEAPLVSLDEEFDIRPSCTEEPEEKPQCLYGTSPHHLEDPSLSELENFSSEIISFKSMEDLVNEFDEKL
 NVCFRNYNAKTESLAPVKIQIQEEEELTRDEEVWDALTDNYIPSLSEDWRDPNIEALNGNSSDIEIHE
 KEEEEFNEKSENDSGINEEPLLADQVIEETEEMMQNSPDPEEEEEVLEEEDGGEISSQADSVLLQEMQA
 LTQTFNDNWSYGLRHMSGSELTELLDRVEGAIRDSEELVHQLARRDELEFEKEVKNSFIIVLIEVQNK
 QREQRELMKRRRKEKGLSLQSNRIEKGSQMPKRFSMEGISNILQSGIRQTFGSSGADRQYLNTVIPYEK
 KSSPPSVEDLQMLTNILFAMKEDNEKVPTLLTDYILKVLCP

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_183171

ORF Size: 1179 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_183171.2](#)

RefSeq Size: 1285 bp

RefSeq ORF: 1179 bp

Locus ID: 235180

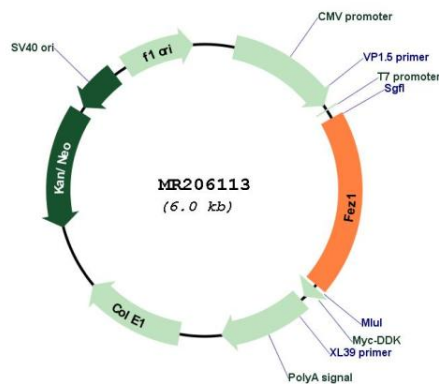
UniProt ID: [Q8K0X8](#)

Cytogenetics: 9 A4

MW: 45.2 kDa

Gene Summary: May be involved in axonal outgrowth as component of the network of molecules that regulate cellular morphology and axon guidance machinery. May participate in the transport of mitochondria and other cargos along microtubules (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206113