

Product datasheet for **RR202295**

Fez1 (NM_031066) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fez1 (NM_031066) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fez1
Synonyms: MGC105385
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202295 representing NM_031066
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGCTCCACTGGTGAAGTCTGGATGAAGAGTTGAAGATATCAGGCCCTGCTGCACTGAGGACCCAG
AGGAAAAGCCACAAAGTCTCTATGGCACATCTCCTCACCACCTGGAGGACCCCTCCCTCTCCGAGCTTGA
GAATTTTTCTCCGAAATAATCAGCTTCAAGTCCATGGAGGACCTCGTGAATGAATTTGATGAGAAGCTC
AATGTCTGCTTTTCGAACTACAATGCCAAGACCGAGAACCTGGCTCCAGTGAAGAACCAGTTGCAGATCC
AGGAGGAGGAGGAGACTTTCGGGATGAGGAGGTTTGGGATGCTCTGACAGACAATTACATCCCTTCACT
CTCAGAAGACTGGAGGGACCCAAACATTGAAGCTCTGAATGGCAACAGCTCTGCACTGAGATCCACGAG
AAGGAAGAAGAAGATGAGTTCATTGAGAAGAGTGAAAACGACTCTGGTATCAACGAGGAGCCTCTCCTCA
CAGCTGACCAGGTGATTGAGGAGATCGAAGAAATGATGCAGAACCTCCAGATCCTGAGGAGGAAGTGGA
GGTCTGGAAGAGGAGGATGGAGGAGAAATCTCGTCTCAGGCAGATTCAGTCTGCTACAAGAGATGCAG
GCCCTGACGCAGACCTTCAACAACAACCTGGTCTATGAAGGCTGAGACACATGTCTGGTCTGAGCTGA
CAGAGCTGCTGGACAGGTGGAGGGTGCCATCCGTGACTTCTCGGAGGAGCTGGTCCACCAGCTGGCCCG
CAGAGATGAGCTGGAGTTTGAGAAGGAAGTGAAGAAGTCTTTCATCACGGTCTCATTGAGGTTTCAGAA
AAGCAGAAGGAGCAGCGGAACTGATGAAGAAGAGGCGGAAAGAGAAGGGGTTAAGCCTGCAGAGCAGTC
GGATAGAGAAGGGGAACAGATGCCTCTCAAGCGTTTCAGCATGGAGGGCATCTCCAACATCCTGCAGAG
TGGCATCCGCAGACCTTTGGCTCCTCAGGAGCTGACAGACAGTACCTGAACACAGTCAATCCCTTATGAG
AAGAAATCTTCTCCTCCTCTGTGAAGACCTGCAGATGCTGACAAACATTCTCTTCGCCATGAAGGAGG
ATAACGAGAAGGTGCCTACTTTGCTAACGGACTACATTTAAAAGTGCTCTGTCCAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202295 representing NM_031066
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MEAPLVSLDEEFDIRPCCTEDPPEEKQSLYGTSPHHLEDPSLSELENFSSEIISFKSMEDLVNEFDEKL
 NVCFRNYNAKTENLAPVKNQLQIQEEEELTRDEEVWDALTDNYIPSLSEDWRDPNIEALNGNSSDTEIHE
 KEEDEFIEKSENDSGINEEPLLTADQVIEEIEEMMQNSPDPEEEVEVLEEDDGGEISSQADSVLLQEMQ
 ALTQTFFNNWSYEGLRHMSGSELTELLDQVEGAIIRDFSEELVHQLARRDELEFEKEVKNSFITVLIQVQN
 KQKEQRELMKRRKEKGLSLQSSRIEKGNQMPKRF SMEGISNILQSGIRQTFGSSGADRQYLNTVIPYE
 KKSSPPSVEDLQMLTNILFAMKEDNEKVPTLLTDYILKVLCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

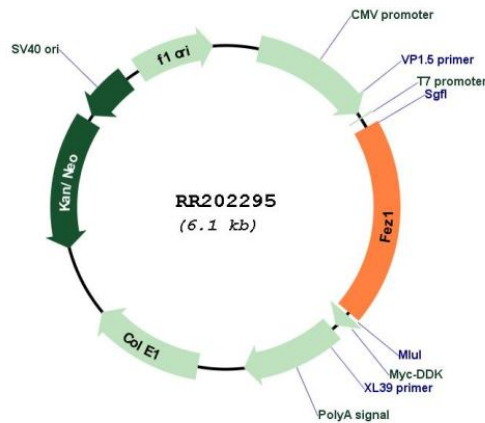
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031066

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:	<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_031066.1 , NP_112328.1
RefSeq Size:	1697 bp
RefSeq ORF:	1182 bp
Locus ID:	81730
UniProt ID:	P97577
Cytogenetics:	8q21
MW:	45.2 kDa
Gene Summary:	fasciculation and elongation protein zeta-1; interacts with protein kinase C zeta; may play a role in axon guidance [RGD, Feb 2006]