

## Product datasheet for MR220960

### Fen1 (NM\_007999) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fen1 (NM_007999) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fen1
Synonyms:	AW538437; FEN-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220960 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAATTCACGGCCTTGCCAACTAATTGCTGATGTGGCCCCAGTGCCATCCGTGAGAATGACATCA  
AGAGCTACTTTGGTCGAAAGTGGCCATCGATGCCTCCATGAGCATCTACCAGTTCCTGATTGCTGTTTCG  
TCAGGGTGGGGATGTGCTGCAGAACGAGGAGGGTGAAGCACCAGCCACCTGATGGGCATGTTCTACCGT  
ACCATCCGCATGATGGAGAATGGCATCAAGCCTGTGTACGTCTTTGATGGCAAACCACACAGCTGAAGT  
CAGGCGAGCTGGCAAGCGCAGTGAGAGGCGCCGAGGCTGAGAAGCAACTGCAGCAGGCTCAGGAGGC  
TGGGATGGAGGAGGAGGTGGAGAAGTTCACCAAGAGGCTCGTGAAGGTCACCAAGCAACAATGATGAG  
TGCAAACACCTGCTGAGCCTCATGGGCATCCCTTACCTTGATGCACCCAGCGAGGAGGAGCCAGCTGTG  
CTGCCCTGGCAAAGGCTGGCAAAGTCTATGCTGCGGCCACGGAGGACATGGACTGCCTCACTTTTGGCAG  
CCCCGTGCTAATGCGACACTTAACTGCCAGTGAGGCCAAGAAGCTGCCCATCCAAGAGTTCATCTGAGC  
CGCGTCTGCAGGAGCTGGGTCTGAACCAGGAGCAGTTTGTGGATCTGTGCATCCTGCTGGGTAGCGACT  
ACTGCGAGAGCATCCGTGGCATTGGGCCAAGCGGGCTGTGGATCTCATCCAGAAACATAAGAGCATCGA  
GGAGATCGTGAGGCGGCTGGACCCAGCAAGTACCCCGTCCAGAGAAGTGGCTCCAAAGGAAGCCAG  
CAGCTCTTCTGGAGCCAGAAGTACTGGACCCAGAGTCTGTGGAGCTGAAGTGGAGCGGACCAAAATGAAG  
AAGAGTTGGTCAAATTTATGTGTGGTGAAGAGCAGTTTTCTGAAGAGCGAATTCGAGTGGGGTCAAGCG  
GCTGAGTAAGAGCCGCCAGGCGAGCACCAGGGACGCCTCGATATTTCTCAAGGTGACAGGCTCACTC  
TCCTCAGCTAAGCGCAAGGAGCCAGAACCAGGGGCCTGCTAAGAAGAAAGCAAGACTGGGGAGCGG  
GGAAGTCCGAAGGGGAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220960 protein sequence  
 Red=Cloning site Green=Tags(s)

MGIHGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLI AVRQGGDVLQNEEGETTSHLMGMFYR  
 TIRMMENGIKPVYVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQEAGMEEVEKFTKRLVKVTKQHND  
 CKHLLSLMGIPYLDAPSEAEASCAALAKAGKVYAAATEDMDCLTFGSPVLMRHLTASEAKKLP IQEFHLS  
 RVLQELGLNQE QFV DLCILLGSDYCESIRGIGPKRAVDLIQKHKSIEEIVRRLDPSKYYPENWLHKEAQ  
 QLFLPEVLDPE SVELKWSEPNEEELVKFMCGEKQFSEERIRSGVKRLSKSRQGSTQGRLLDDFFKVTGSL  
 SSAKRKEPEPKGPAKKKAKTGGAGKFRGK

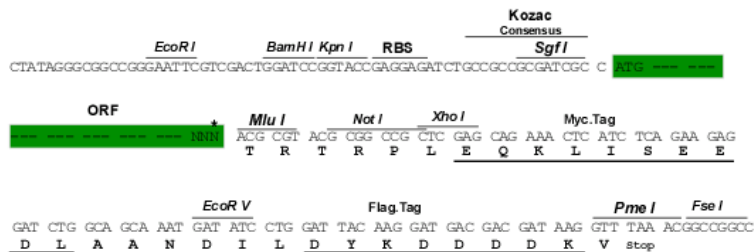
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007999

**ORF Size:** 1143 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\\_007999.6](#)

**RefSeq Size:** 2222 bp

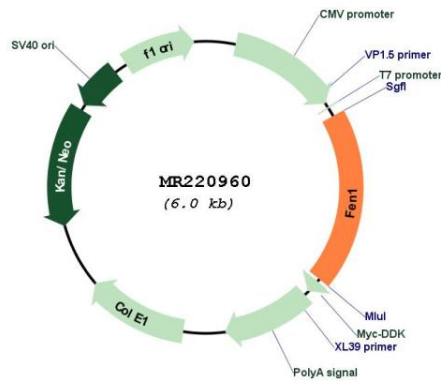
**RefSeq ORF:** 1143 bp

**Locus ID:** 14156

**Cytogenetics:** 19 A

**MW:** 42.6 kDa

**Product images:**



Circular map for MR220960