

Product datasheet for **RR207787**

Fen1 (NM_053430) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fen1 (NM_053430) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fen1
Synonyms:	FEN-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207787 representing NM_053430 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATTCAAGGCCTTGCCAACTAATTGCTGATGTGGCCCCAGTGCCATCCGTGAGAATGACATCA
AGAGCTACTTTGGTCGAAAGTGGCCATTGATGCCTCCATGAGCATTACCAGTTCCTGATTGCTGTTCCG
TCAGGGTGGGACGTACTGCAGAACGAGGAGGGGAGACCACCAGCCACCTGATGGGCATGTTCTACCGT
ACCATCCGCATGATGGAGAATGGCATCAAGCCGGTGTATATCTTTGATGGCAAACCACCAGCTGAAGT
CGGCCAGCTGGCCAAACGCAGTGAGCGCGTGCAGAGGCCGAGAAGCAGCTGCAGCAGGCTCAGGAGGC
GGGGCAGAGGAGGAGGTGGAAAAGTTCACCAAGCGGCTTGTGAAGGTCACCAAGCAACAACGATGAG
TGCAAACACCTGCTGAGCCTCATGGGCATCCCATACTTGATGCGCCAGCGAGGAGGAGGCCAGCTGTG
CTGCCCTGGCAAAGGCTGGCAAAGTCTATGCCGACGCCACGGAGGACATGGACTGCCTCACTTTTGGCAG
CCCCGTGCTAATGCGACACTTAAGTCCAGTGAGGCCAAGAAGCTGCCATCCAAGAGTTCACCTGAGC
CGCGTCTGCAAGAGCTGGTCTGAACCAAGGAGCAGTTTGTGGATCTGTGCATCCTGCTGGGTAGCGACT
ACTGTGAGAGTGTCCGTGGCATTGGACCAAGCGGGCTGTGGACCTCATCCAGAAGCACAAGAGCATCGA
GGAGATCGTGAGCGGCTGGATCCAGCAAGTACCCTGTTCCGAAAACCTGGCTCCACAAGGAAGCCCGG
CAGCTCTTCTGGAGCCGGAAGTGTGGACCCAGAGTCTGTGGAGCTGAAGTGGAGTGAGCCAAACGAAG
AAGAGTTGGTCAAATTTATGTGCGGTGAAAAGCAGTTTCTGAAGAGCGGATTCTGATGTTGGTCAAACG
GCTGAATAAGAGCCGCAAGGCAGCACCCAGGGACGCCTAGATGATTTCTCAAGGTGACAGGCTCACTC
TCCTCAGCCAAGCGCAAGGAGCCAGAGCCCAAGGGCCTGCCAAGAAGAAAGCAAGACTGGGGCAGCAG
GGAAGTCCGAAGGGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207787 representing NM_053430
 Red=Cloning site Green=Tags(s)

MGIQGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLI AVRQGGDVLQNEEGETTSHLMGMFYR
 TIRMMENGIKPVYIFDGKPPQLKSAQLAKRSERRAEAEKQLQQAQEAGAEVEEVEKFTKRLVKVTKQHND
 CKHLLSLMGIPYLDAPSEAEASCAALAKAGKYAAATEDMDCLTFGSPVLMRHLTASEAKKLP IQEFHLS
 RVLQELGLNQEQFV DLCILLGSDYCESVRGIGPKRAVDLIQKHKSIEEIVRRLDPSKYYPV PENWLHKEAR
 QLFLEPEVVDPE SVELKWSEPNEEELVKFMCGEKQFSEERIRSGVKRLNKS RQGSTQGRLLDDFKVTGSL
 SSAKRKEPEPKGPAKKKAKTGAAGKFRGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

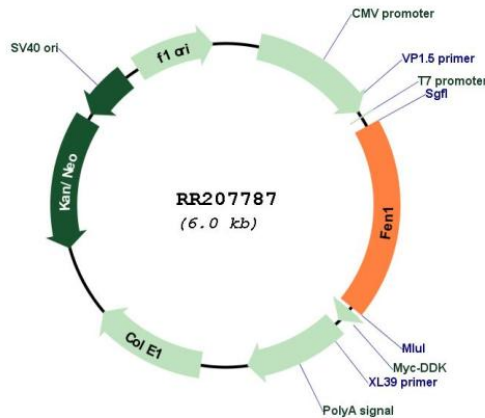
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053430

ORF Size:	1140 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_053430.1 , NP_445882.1
RefSeq Size:	2192 bp
RefSeq ORF:	1143 bp
Locus ID:	84490
UniProt ID:	Q5XIP6
Cytogenetics:	1q43
MW:	42.6 kDa
Gene Summary:	removes RNA primers during Okazaki fragment maturation in DNA synthesis [RGD, Feb 2006]