

Product datasheet for MR229610

Fen1 (NM_001271614) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fen1 (NM_001271614) 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:	>MR229610 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATTCACGGCCTTGCCAACTAATTGCTGATGTGGCCCCAGTGCCATCCGTGAGAATGACATCA
AGAGCTACTTTGGTCGAAAGTGGCCATCGATGCCTCCATGAGCATCTACCAGTTCCTGATTGCTGTTCG
TCAGGGTGGGGATGTGCTGCAGAACGAGGAGGGTGAAGCACCAGCCACCTGATGGGCATGTTCTACCGT
ACCATCCGCATGATGGAGAATGGCATCAAGCCTGTGTACGTCTTTGATGGCAAACCACACAGCTGAAGT
CAGGCGAGCTGGCAAGCGCAGTGAGAGGCGCCGAGGCTGAGAAGCAACTGCAGCAGGCTCAGGAGGC
TGGGATGGAGGAGGAGGTGGAGAAGTTCACCAAGAGGCTCGTGAAGGTCACCAAGCAACAATGATGAG
TGCAAACACCTGCTGAGCCTCATGGGCATCCCTTACCTTGATGCACCCAGCGAGGAGGAGCCAGCTGTG
CTGCCCTGGCAAAGGCTGGCAAAGTCTATGCTGCGGCCACGGAGGACATGGACTGCCTCACTTTTGGCAG
CCCCGTGCTAATGCGACACTTAACTGCCAGTGAGGCCAAGAAGCTGCCCATCCAAGAGTTCATCTGAGC
CGCGTCTGCAGGAGCTGGGTCTGAACCAGGAGCAGTTTGTGGATCTGTGCATCCTGCTGGGTAGCGACT
ACTGCGAGAGCATCCGTGGCATTGGGCCAAGCGGGCTGTGGATCTCATCCAGAAACATAAGAGCATCGA
GGAGATCGTGAGGCGGCTGGACCCAGCAAGTACCCCGTCCAGAGAAGTGGCTCCACAAGGAAGCCAG
CAGCTCTTCTGGAGCCAGAAGTACTGGACCCAGAGTCTGTGGAGCTGAAGTGGAGCGGACCAAAATGAAG
AAGAGTTGGTCAAATTTATGTGTGGTGAAGAGCAGTTTTCTGAAGAGCGAATTCGAGTGGGGTCAAGCG
GCTGAGTAAGAGCCGCCAGGGCAGCACCCAGGGACGCCTCGATATTTCTCAAGGTGACAGGCTCACTC
TCCTCAGTAAGCGCAAGGAGCCAGAACCAAGGGCCTGCTAAGAAGAAAGCAAGACTGGGGAGCGG
GGAAGTCCGAAGGGGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR229610 protein sequence
 Red=Cloning site Green=Tags(s)

MGIHGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLI AVRQGGDVLQNEEGETTSHLMGMFYR
 TIRMMENGIKPVYVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQAEAGMEEVEKFTKRLVKVTKQHND
 CKHLLSLMGIPYLDAPSEAEASCAALAKAGKVYAAATEDMDCLTFGSPVLMRHLTASEAKKLP IQEFHLS
 RVLQELGLNQE QFV DLCILLGSDYCESIRGIGPKRAVDLIQKHKSIEEIVRRLDPSKYYPENWLHKEAQ
 QLFLPEPEVLDPE SVELKWSEPNEEELVKFMCGEKQFSEERIRSGVKRLSKSRQGSTQGRLLDDFKVTGSL
 SSAKRKEPEPKGPAKKKAKTGGAGKFRGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271614

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_001271614.2

RefSeq Size: 2211 bp

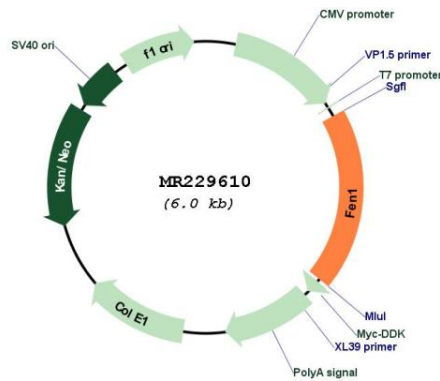
RefSeq ORF: 1143 bp

Locus ID: 14156

Cytogenetics: 19 A

MW: 42.6 kDa

Product images:



Circular map for MR229610