

Product datasheet for **MG220960**

Fen1 (NM_007999) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fen1 (NM_007999) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fen1
Synonyms: AW538437; FEN-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220960 representing NM_007999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAATTCACGGCCTTGCCAACTAATTGCTGATGTGGCCCCAGTGCCATCCGTGAGAATGACATCA
 AGAGCTACTTTGGTCGCAAAGTGGCCATCGATGCCTCCATGAGCATCTACCAGTTCCTGATTGCTGTTCCG
 TCAGGGTGGGGATGTGCTGCAGAACGAGGAGGGTGAAGACCAGCCACCTGATGGGCATGTTCTACCGT
 ACCATCCGCATGATGGAGAATGGCATCAAGCCTGTGTACGTCTTTGATGGCAAACCACACAGCTGAAGT
 CAGGCGAGCTGGCAAGCGCAGTGAGAGGCGCGCCGAGGCTGAGAAGCAACTGCAGCAGGCTCAGGAGGC
 TGGGATGGAGGAGGAGGTGGAGAAGTTCACCAAGAGGCTCGTGAAGGTCACCAAGCAACAATGATGAG
 TGCAAACACCTGCTGAGCCTCATGGGCATCCCTTACCTTGATGCACCCAGCGAGGAGGAGCCAGCTGTG
 CTGCCCTGGCAAAGGCTGGCAAAGTCTATGCTGCGGCCACGGAGGACATGGACTGCCTCACTTTTGGCAG
 CCCCCTGCTAATGCGACACTTAAGTCCAGTGAGGCAAGAAGCTGCCCATCCAAGAGTTCATCTGAGC
 CGCGTCTGCAGGAGCTGGGTCTGAACCAGGAGCAGTTTGTGGATCTGTGCATCCTGCTGGGTAGCGACT
 ACTGCGAGAGCATCCGTGGCATTGGGCCAAGCGGGCTGTGGATCTCATCCAGAAACATAAGAGCATCGA
 GGAGATCGTGAGGCGGCTGGACCCAGCAAGTACCCCGTTCAGAGAAGTGGCTCCACAAGGAAGCCAG
 CAGCTCTTCTGGAGCCAGAAGTACTGGACCCAGAGTCTGTGGAGCTGAAGTGGAGCGGACCAAAATGAAG
 AAGAGTTGGTCAAATTTATGTGTGGTGAAGAGCAGTTTTCTGAAGAGCGAATTCGAGTGGGGTCAAGCG
 GCTGAGTAAGAGCCGCCAGGGCAGCACCCAGGGACGCCTCGATATTTCTCAAGGTGACAGGCTCACTC
 TCCTCAGTAAGCGCAAGGAGCCAGAACCAAGGGCCTGCTAAGAAGAAAGCAAGACTGGGGAGCGG
 GGAAGTCCGAAGGGGAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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MGIHGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLI AVRQGGDVLQNEEGETTSHLMGMFYR
 TIRMMENGIKPVYVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQEAGMEEVEKFTKRLVKVTKQHND
 CKHLLSLMGIPYLDAPSEAEASCAALAKAGKVYAAATEDMDCLTFGSPVLMRHLTASEAKKLP IQEFHLS
 RVLQELGLNQE QFV D L C I L L G S D Y C E S I R G I G P K R A V D L I Q K H K S I E E I V R R L D P S K Y P V P E N W L H K E A Q
 Q L F L E P E V L D P E S V E L K W S E P N E E E L V K F M C G E K Q F S E E R I R S G V K R L S K S R Q G S T Q G R L D D F F K V T G S L
 S S A K R K E P E P K G P A K K K A K T G G A G K F R R G K

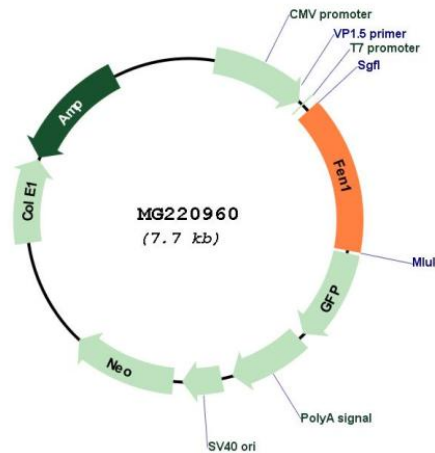
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007999

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_007999.6
RefSeq Size:	2215 bp
RefSeq ORF:	1143 bp
Locus ID:	14156
Cytogenetics:	19 A