

## Product datasheet for **MG226253**

### Fech (NM\_007998) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fech (NM_007998) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fech
Synonyms:	A1894116; fch; Fcl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226253 representing NM_007998 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTTTTCGGCCAGCGCCAACATGGCTGCGGCCCTGCGGGCTGCGGGCGCTCTGCTCCGCGAGCCGCTGG  
TGCACGGCAGCTCAAGGGCCTGTCAAGCATGGAGGTGCCAGTCGGGTGCTGCGGTGGCAGCCACCACGGA  
GAAGGTACATCATGCCAAGACCACAAACCCCAAGCTCAACCAGAAAGGAGGAAGCCAAAAACGGGCATA  
TTGATGTTAAACATGGGAGGCCCGAAACCCCTTGAGAAGTTCAAGACTTCTTCAGAGGCTCTTCTCTGG  
ACCGAGACCTCATGACACTTCCCATTCAAATAAGCTGGCACCATTTCATCGCCAAACGCCGAACCCCAA  
AATTCAAGAGCAGTATCGCAGAATCGGAGGTGGATCCCCCATCAAGATGTGGACTTCCAAGCAAGGAGAA  
GGCATGGTGAAGCTGCTGGATGAGTTATCCCCTGCCACAGCACCTCACAATACTATATTGGATTCCGGT  
ACGTCCATCCCCTGACAGAAGAGGCAATTGAAGAGATGGAGAGAGATGGACTAGAGAGGGCCATTGCTTT  
CACACAGTATCCACAGTATAGCTGCTCCACCACAGGCAGCAGCTTAAATGCCATTTACAGATACTATAAC  
GAGGTGGGCCAGAAGCCACCATGAAGTGGAGCACAATCGACAGGTGGCCACACACCCCTCCTCATCC  
AGTGCTTTGCAGACCACATTCTGAAAGAGCTGAACATTTCCAGAGGAGAAGAGAAGCGAGGTGGTCAT  
TCTGTTTTCTGCCACTCCCTGCCGATGTCTGTGTCAACAGAGGGGACCCCTATCCCAAGAGGTAGGA  
GCCACTGTCCACAAAGTCATGAAAAGCTGGGTTACCCCAACCCCTACCGACTGGTTTGGCAGTCCAAG  
TTGGTCCAGTACCCTGGTTGGGCCCTCAGACAGATGAGGCTATCAAAGGGCTTTGTGAGCGGGGAGGAA  
GAACATCCTCTTGTTCCAATAGCATTTACCAGTGACCACATTGAGACGCTCTACGAAGTGGATATTGAA  
TACTCTCAAGTGTGGCTCAGAAGTGTGGAGCTGAGAACATCAGAAGAGCGGAGTCTCTTAATGAAATC  
CATTGTTCTCCAAGGCCCTGGCTGATCTGGTGCCTCCACATCCAGTCCAACAAGCTGTGCTCCACGCA  
GTTGAGTCTGAAGTGTCCGCTCTGTGTAATCCTGTCTGCAGGAAGACTAAATCCTTCTTACCAGCCAA  
CAGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG226253 representing NM\_007998  
 Red=Cloning site Green=Tags(s)

MLSASANMAAALRAAGALLREPLVHGSSRACQPWRCQSGAAVAATTEKVHHAKTTPQAQPERRKPKTGI  
 LMLNMGGPETLGEVQDFLQRLFDRDLMTLP IQNKLAPFIAKRRTPKIQEQYRRIGGGSPIMKMTSKQGE  
 GMVKLLDELSPATAPHKYIIGFRVYVHPL TEEAIEEMERDGLERAI AFTQYPOYSCSTTGSSLNAIYRYYN  
 EVGQKPTMKWSTIDRWPTHPLLIQCFADHILKELNHFPEEKREVVILFSAHSLPMSVVNRGDPYPQEVG  
 ATVHKVMEKLGYPNRYRLVWQSKVGPVWLGPTDEAIKGLCERGRKNILLVPIAFTSDHIETLYELDIE  
 YSQVLAQKCGAENIRRAESLNGNPLFSKALADLVHSHIQSNKLCSTQLSLNCPLCVNPVCRKTKSFFTSQ  
 QL

TRTRPLE - GFP Tag - V

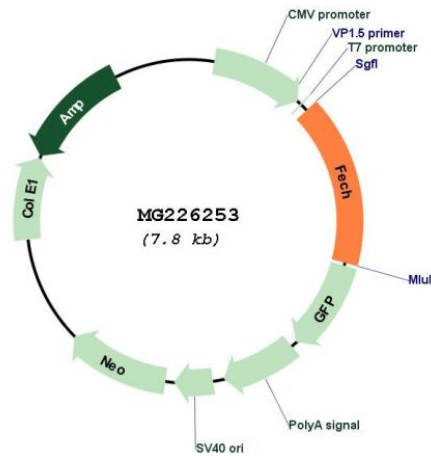
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_007998

<b>ORF Size:</b>	1266 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007998.7</a>
<b>RefSeq Size:</b>	2901 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	14151
<b>Cytogenetics:</b>	18 37.43 cM